

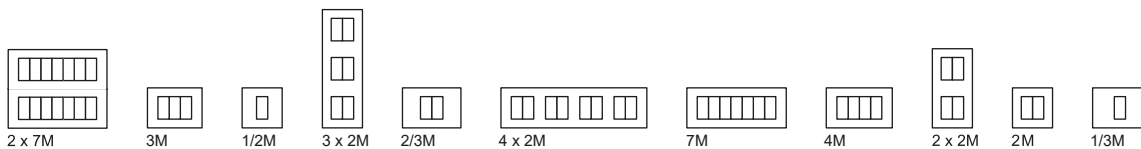
TEM



touching completeness







# TEM

## Dobrodošli u obitelj **MODUL** Welcome to the **MODUL** family

Proširujemo i usavršavamo modernu obitelj Modul sklopki za sve vrste prostorija.

We are expanding and perfecting the modern Modul switch family for all types of rooms.



discovering new insights

otkrivanje novih saznanja

# MODUL

Dizajnerske linije Pure, Line i Soft odražavaju moderan, sofisticiran i neovisan životni stil. U širokoj paleti boja, uzoraka i oblika možete odabrati sklopke i utičnice koje će pristajati željenoj atmosferi i ugodaju.

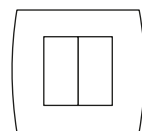
The Pure, Line and Soft design lines reflect a modern, sophisticated and independent lifestyle. You can choose from a wide and rich selection of colours, patterns and shapes to alter the appearance of your switches and sockets so that they fit the desired atmosphere and mood.

PURE

prirodni materijali  
natural materials

drvo  
metal  
staklo

wood  
metal  
glass





—line—

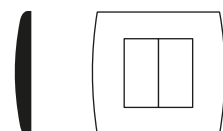
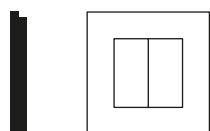


ravne linije  
straight lines

—soft—



meke linije  
soft lines



# PURE



## predivan život wonderful living

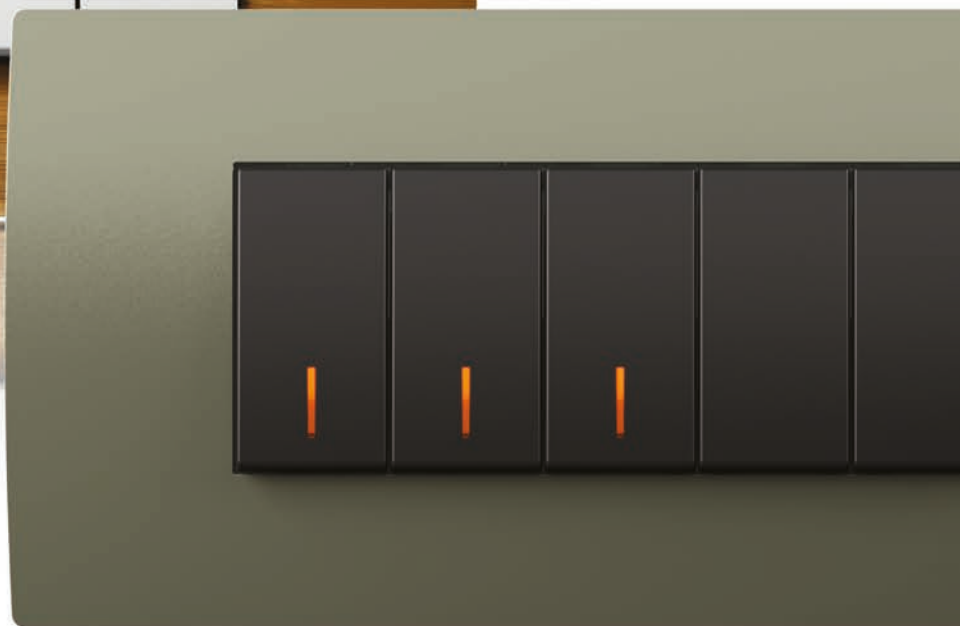
Iz čistoće i neokaljanosti novonastalog svijeta dolazi priča linije Pure. Dodir prirodnih motiva prošaran je sofisticiranim ukusom za linije i oblik i isprepleten nitima najnovije tehnologije.

From the cleanliness and purity of a new-born world stems the story of the Pure line. The touch of natural motifs is intertwined with a sophisticated taste for lines and form and interwoven with threads of state-of-the-art technology.





PURE

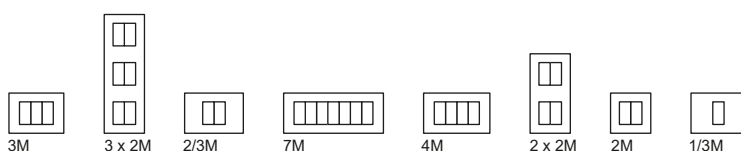




## osjetiti prirodu feeling of nature

Linija Pure sklopki ističe se svojim prirodnim materijalima: metalom, drvom i staklom. Njezin jedinstveni dizajn ima posebnu draž. Upečatljiv, no ipak nenametljiv. Zrači senzualnošću, sofisticiranošću, visokim standardima te, naravno, čistoćom.

The Pure switch line is distinguished by its natural materials: metal, wood and glass. Its unique design gives it a special touch. It is striking yet unobtrusive. It radiates sensuality, sophistication, high standards and, of course, cleanliness.



line



## harmonija ravnih linija harmony of straight lines

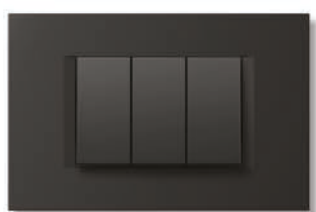
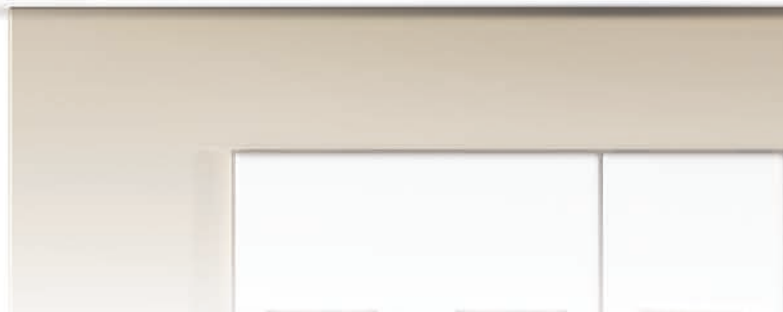
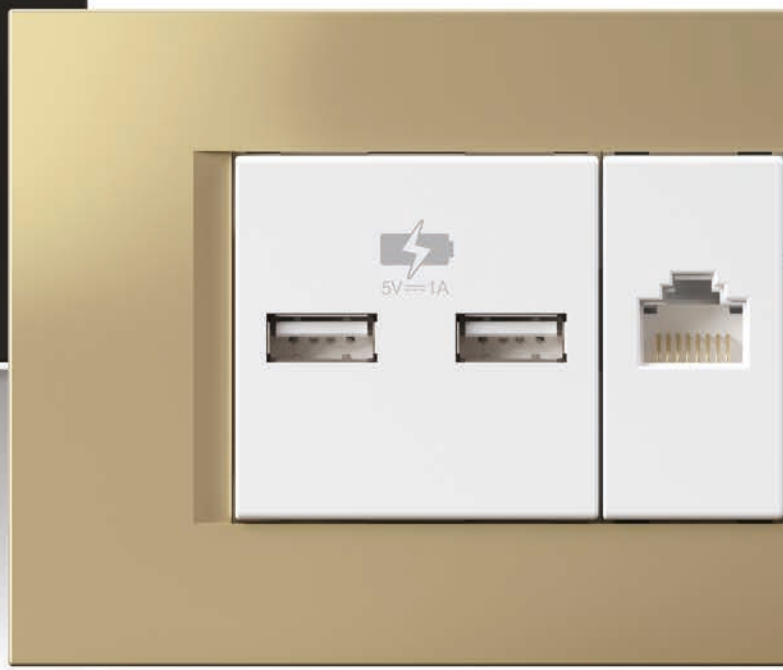
Pripremite se za elegantno savršenstvo ravnih oblika. Isprobajte sjajne površine koje se poigravaju s modernim elementima vaše sobe. Samo za vas smo uključili smo „Soft Touch”, pretvarajući svaki dodir u jedinstveno iskustvo.

Prepare for the elegant perfection of straight shapes. Try brilliant surfaces that gently play with modern elements of your room. We have incorporated “Soft Touch” technology especially for you, turning every touch into a unique experience.





line





## moderan dizajn modern design

Čiste, ravne linije čine svezremenski dizajn. Savršeno ravan profil i ergonomija laganog dodira daju zapanjujuće elegantan izgled iz svih kutova.

Its straight, smooth lines make for a timeless design. Its perfectly straight, sleek profile and soft-touch ergonomics give it an amazingly elegant appearance from all angles.





soft



# mekoća u vašem domu

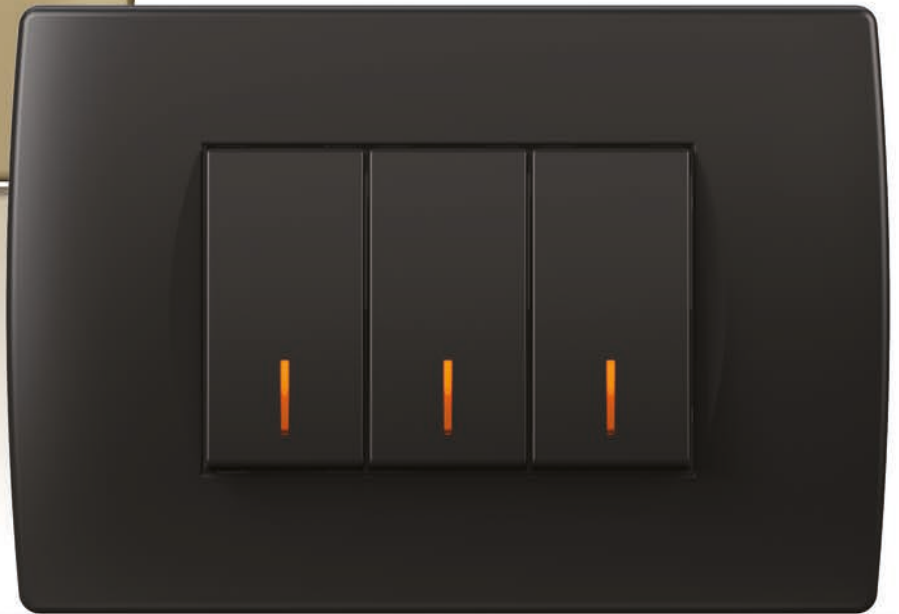
## softness in your home

Neka okrugli oblici i meki prijelazi unesu mekoću u vaš dom.

Let the rounded shapes and soft transitions bring softness into your home.



soft



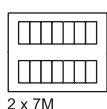




# toplina doma a warm home

Savršeno meke linije zaokružene suptilnim odabirom boja i posebnim premazima za poseban dodir.

Perfectly soft shapes rounded off by a subtle selection of colours and special coatings for a special touch.



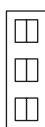
2 x 7M



3M



1/2M



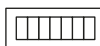
3 x 2M



2/3M



4 x 2M



7M



4M



2 x 2M

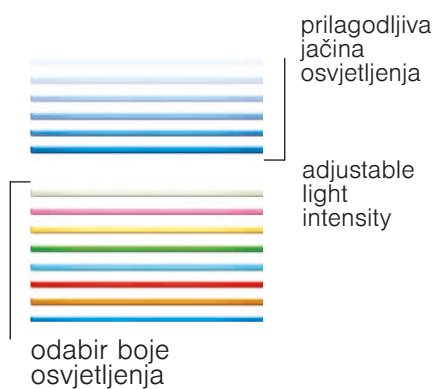
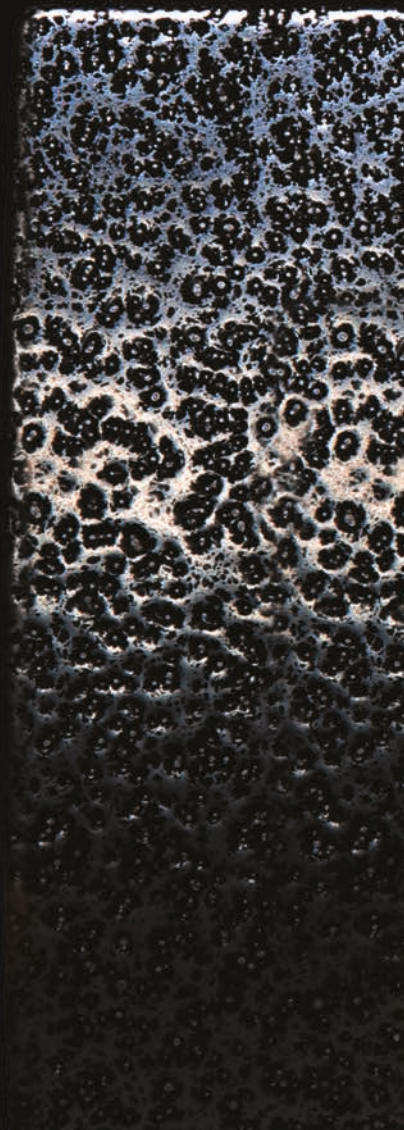


2M



1/3M

# univerzalni universal dimmer zafamnjivač



U tami Touch postaje nježno meko ambijentalno svjetlo koje označava mjesto sklopke i nježno osvjetljava. Obilježava mjesto sklopke i nježno osvjetljava mjesto. Možete birati između osam različitih boja nježnog svjetla i prilagoditi jačinu ovisno o vašem raspoloženju.

In the dark Touch becomes a tender soft ambient light. It marks the spot of a switch and gently illuminates a place. You can choose among eight different colours of tender light and adapt its brightness according to your mood.

TOUCH®



# svjetlo kakvo nije viđeno prije light as never seen before

Prigušeno svjetlo stvara mirnu, senzualnu i romantičnu atmosferu. To je osobina romantičnih mjesta i mirnih večernjih sati provedenih u domu ili na poslu. Uključivanje je meko i produženo. Ne samo da produžuje vijek trajanja žarulje, već mijenja tamu u svjetlo na sporiji i znatno ugodniji način. Touch vam omogućava zatamnivanje svjetla bilo gdje, neovisno o vrsti žarulje.

A dimmed light makes peaceful, sensual and romantic atmosphere. It is a trade mark of romantic places and quiet late evening hours spent at home or at work. Switching is soft and extended. It does not only prolong the lamp life expectancy, but also changes darkness into light in a slower and much more pleasant way. Touch enables you to dim the light anywhere, regardless of the type of lamps.









## sve na jednome mjestu

everything in one place

Vaša je kuća središte vašeg života. Brojni uređaji koje koristite zahtijevaju niz konektora i utičnica. Stvorite vlastito multimedijско središte, koje će vam omogućiti povezivanje i korištenje brojnih komponenti, sve na jednom mjestu.

Your house is the centre of your life. The multitude of devices you use requires a number of connectors and sockets. Create your own multimedia centre, one that will allow you to connect and use a multiple number of different components in one place.





# inovativna kontrola temperature

## innovative temperature controller

Povećajte vlastitu udobnost kontroliranjem temperature u vašim životnim i radnim prostorijama tijekom svih godišnjih doba uz pomoć pametnog termostata. Omogućava vam upravljanje uređajima za grijanje i hlađenje, a ima i eko funkciju.

Make yourself comfortable by controlling the temperature in your living and working rooms during all seasons with a smart thermostat. It allows you to control heating and cooling devices and features an eco-function.

udobnost u vašem prostoru  
comfort in your room



# prikladnost korištenja

## convenience of use



## TOUCHLESS-bez dodira

Beskontaktna sklopka dopušta vam uživanje u modernom životnom stilu, omogućujući uključivanje i isključivanje svjetla bez potrebe za fizičkim dodiranjem. Ta je mogućnost vrlo korisna kada imate pune ruke ili uprljane jer možete postići željene osvjetljenje bez nepotrebnog napora.

The touchless switch allows you to enjoy a modern lifestyle, enabling the turning on and off of your lights, without the need for physical interaction. This option is very useful when you find yourself with your hands full, or dirty, as you can achieve the desired lighting without undue fuss.





# moderno osvjetljenje

modern illumination





# 3D lampa

## 3D lamp

Užurbani tempo života izlaže vas konstantnom bombardiranju obiljem informacija. 3D lampe u boji pružaju elegantno rješenje za putokaze. Grafička rješenja možemo prilagoditi vašim željama.

The rapid pace of life means you are constantly being bombarded with a plenty of information. 3D colour lamp provide an elegant solution for information and direction signs. We can make graphics according to your wishes.



# ARX – recite zbogom ključevima

## ARX – say goodbye to keys

ARX ONE vam omogućava siguran i praktičan pristup vašem stanu, kući ili uredu. Dovoljan je samo jedan pokret prstom za otključavanje vrata. Funkcionira kao zasebna jedinica te ne zahtijeva računalnu vezu.

The ARX ONE allows you to gain access to your apartment, house or office securely and conveniently. It takes only a swipe of the finger to unlock the door. It functions as an independent unit and requires no computer connection.



poboljšana sigurnost  
improved security

29



# individualnost

individuality



## načinite po svojem

make it your own

Budite drugačiji. Načinite sklopku po svojem ukusu. Možete odabrati između različitih boja okvira te ih za vas možemo ukrasiti prilagođenim grafičkim rješenjima ili znakovima. Odaberite boju osvjjetljenja koja odgovara ambijentu vašeg prostora.

Be different. Make a switch according to your taste. You can choose between different frame colours and we can decorate them for you with custom graphics or signs. Choose a illumination colour that suits the ambience of your room.



p rikladno za javnu uporabu  
suitable for public use

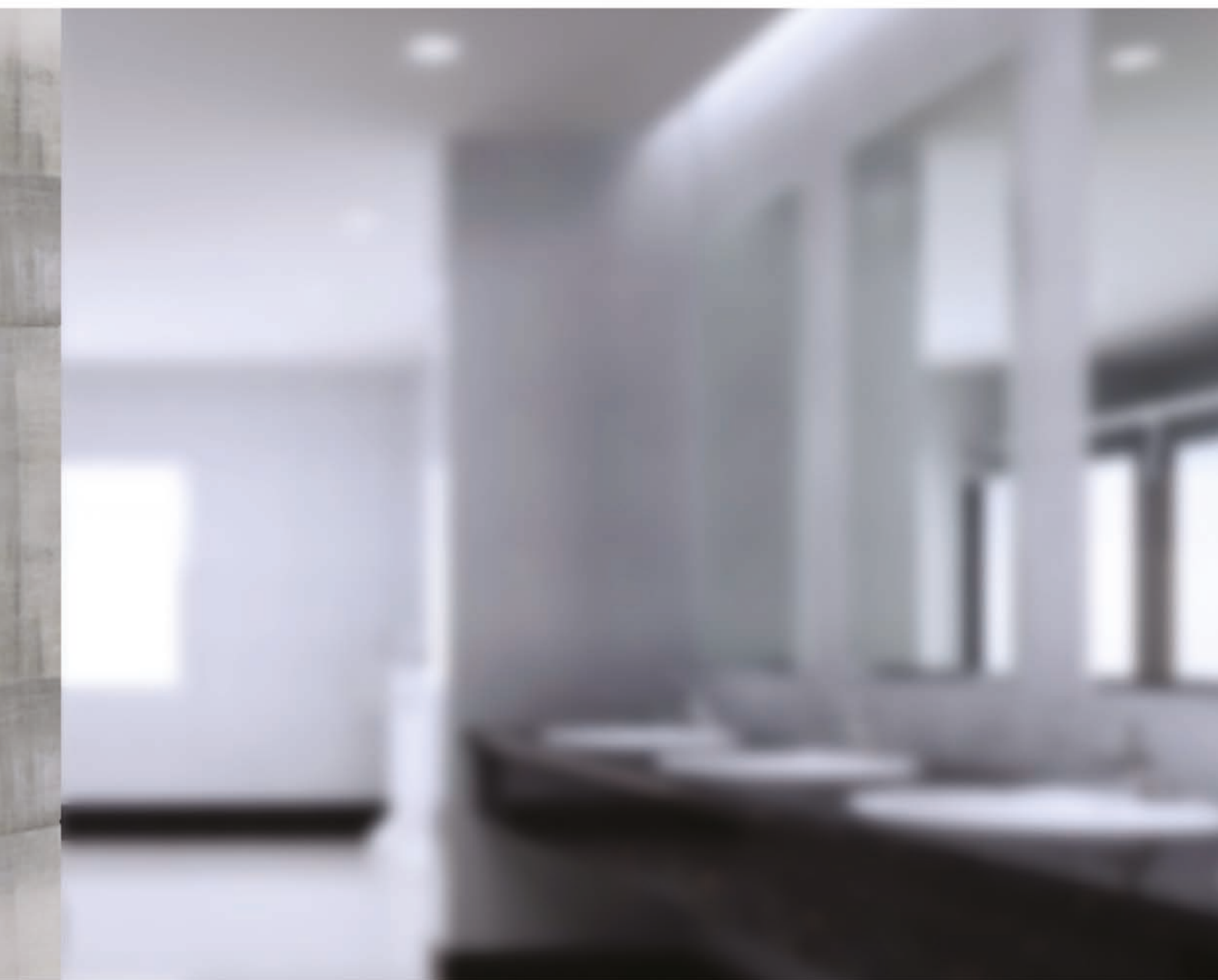


## kvaliteta i izdržljivost quality and durability

Kvalitetni i izdržljivi materijali jamče dug životni vijek modularnih sklopki i utičnica MODUL. Zbog toga je ovaj sustav prikladan za ugradnju i bezbrižnu uporabu u javnim ustanovama, poslovnim zgradama, turističkim objektima, trgovačkim centrima, školama i sportskim objektima. Moguće ga je prilagoditi modernoj arhitekturi, ali i klasičnim interijerima.

Quality and durable materials ensure the long lifetime of the MODUL modular switches and sockets. The system is suitable for mounting and carefree use in public facilities, business premises, tourist accommodation, shopping centres, schools and sports facilities. It fits perfectly in both modern architecture and classical interiors.







## snažni USB punjači powerful USB chargers

Uz pomoć snažnih USB punjača Modul moći ćete brzo i jednostavno napuniti pametne telefone, tablet računala i ostale e-uređaje putem standardnog USB priključka. Dostupni su u veličinama 1M i 2M. Savršeni su za korištenje, kako u privatnim, tako i u javnim prostorijama.

The powerful Modul USB chargers enable the fast and simple charging of your smartphones, tablets and other electronic devices via a standard USB connection. They are available in 1M and 2M sizes and are perfect for use in private and public rooms.

# brzo punjenje

## fast charging



# moderno radno okruŹje a modern working environment







# estetski aluminijski kanali

## aesthetic aluminium trunkings

Pobrinite se za uređenost uredskih, školskih i radnih prostorija. Riješite se vidljivih kabela i nepraktičnih produžnih kabela. Elegantni aluminijski kanali modernog izgleda nude mnogo prostora za električne instalacije. Sklopke, utičnice i komunikacijski priključci brzo su dostupni i pri ruci tamo gdje su vam potrebni. Možete ih jednostavno zamijeniti ili naknadno dodati nove. Stvorite si ugodno i funkcionalno okruženje.

Organise your office, school and work areas. Forget visible cables and unpractical extensions. The elegant and modern aluminium trunkings offer plenty of space for electrical installations. Switches, sockets and communication elements are easily accessible and available in the right place to be used. They can be easily adapted or upgraded. Arrange a pleasant and functional environment for yourself.

# modularnost

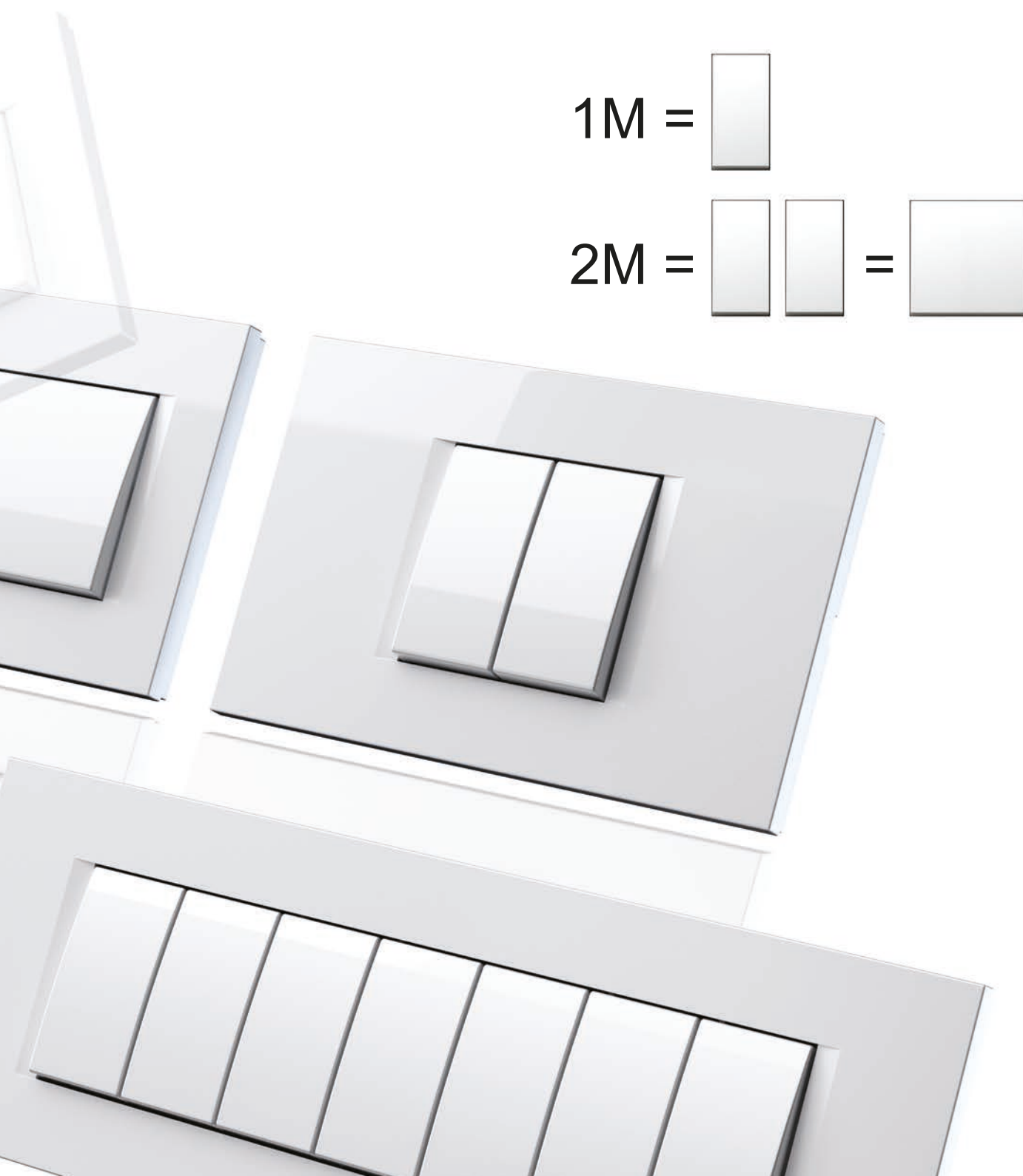
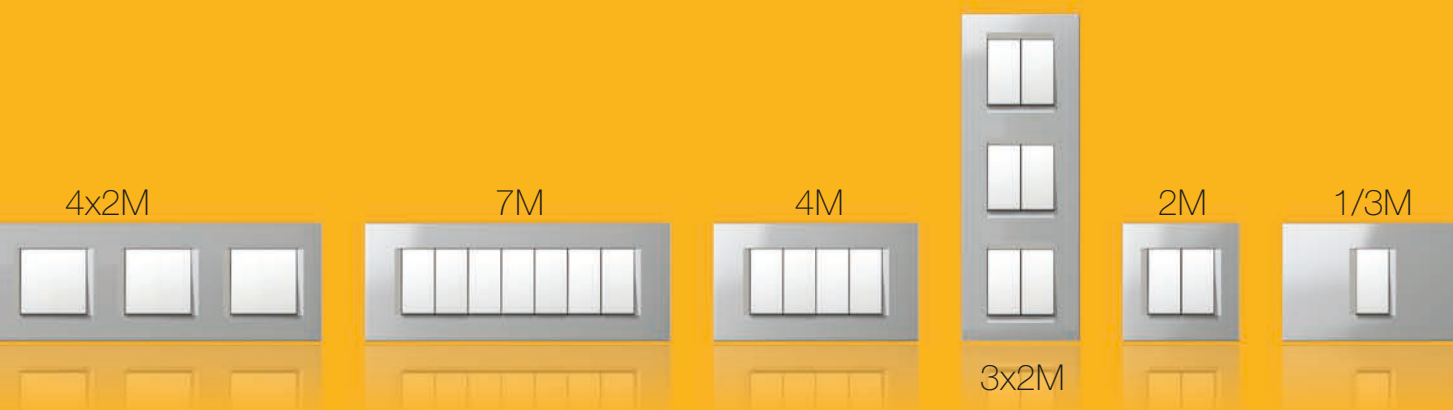
## modularity



Dizajnirali smo sveobuhvatan sustav koji krasi raznoliki elementi, omogućavajući vam kreiranje bilo koje konfiguracije po vašim željama. Osnovni elementi sustava su modularni te mogu biti kombinirani horizontalno ili vertikalno.

We have designed a comprehensive system that features a variety of elements, allowing you to create any configuration you wish. The basic elements of the system are modular and can be combined horizontally or vertically.





# univerzalnost

## universality

Sustav krasi sveobuhvatan izbor elemenata te jednostavnost ugradnje. Setovi sklopki mogu biti postavljeni na različite načine, neovisno o tome je li kutija okrugla ili pravokutna, izdvojena ili u nizu.

The system features a comprehensive selection of elements and is easy to install. Switch sets can be positioned in many different ways, regardless of whether the box is round or rectangular, individual or serial.



[modulmanager.tem.si](http://modulmanager.tem.si)

Iskušajte „ModulManager“ alat koji će vam pomoći da sastavite onu kombinaciju koju želite.

Try out the “ModulManager” tool, which will help you put together any combination you want.



## rješenja za 4 sklopke

### solutions for 4 switches



# MODUL MANAGER

jednostavno i brzo / easy and fast





# konfigurator sklopki i utičnica

## configurator of switches and sockets

Modul manager vam omogućuje potpunu i brzu izradu popisa prekidača na gradilištu ili u kućnom naslonjaču. Za vas smo pripremili jedinstveni način naručivanja koji je praktičan i brz. Omogućeno vam je kreiranje boja prekidača i oblika okvira kako biste ih prilagodili vašem prostoru ili zahtjevu kupca. Isprobajte našu aplikaciju, potreban vam je samo mobilni telefon, tablet ili računalo i <http://modulmanager.tem.si>.

The Modul Manager allows you to perform a complete and quick inventory of switches from the building site itself or from the comfort of your own home. We have prepared a unique ordering method, which is both practical and quick. You can select the colours of the switches, as well as the shape of the frames, meaning you can tailor them to your space or the client's demands. Why not try us out? All you need is a smartphone, a tablet, or a computer and <http://modulmanager.tem.si>.



# funkcionalnost

## functionality

Modul je razvijen za one koji cijene pomno dizajniran proizvod. Sustav zauzima manje prostora jer bilo koja kombinacija funkcijskih elemenata može biti ugrađena u isti okvir. Prikladan je za nove i obnovljene građevine.

The Modul was developed for those who can appreciate a thoughtfully designed product. The system takes up less space, as any combination of function elements can be fitted inside the same cover plate. It is suitable for new, as well as renovated buildings.

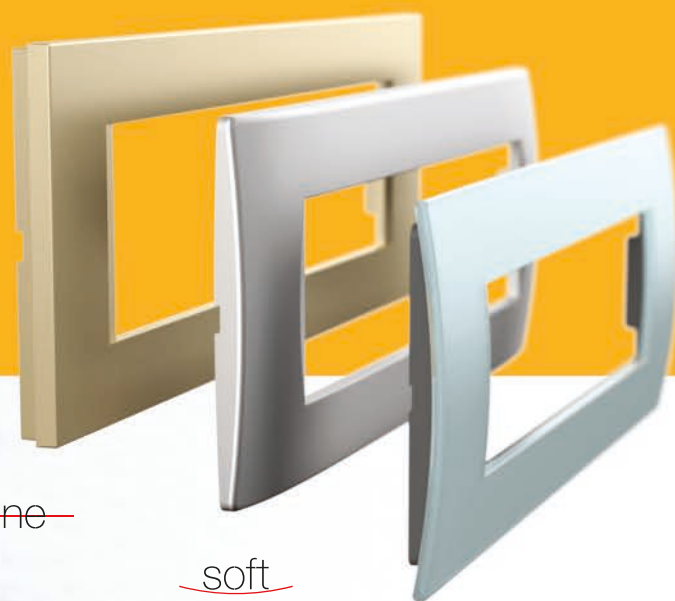


Modul Soft je dostupan i s antibakterijskim rješenjem AB.

The Modul Soft is also available in an antibacterial solution AW.



dekorativni okviri  
decorative cover plates



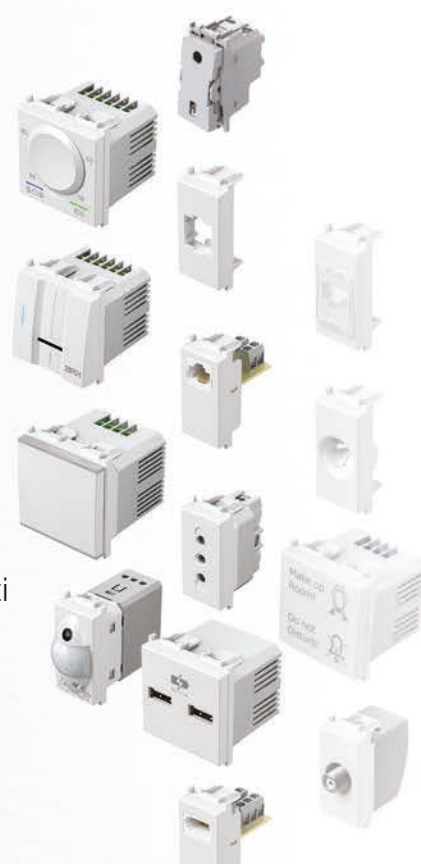
—line—

—soft—

PURE



funkcijski elementi  
function elements



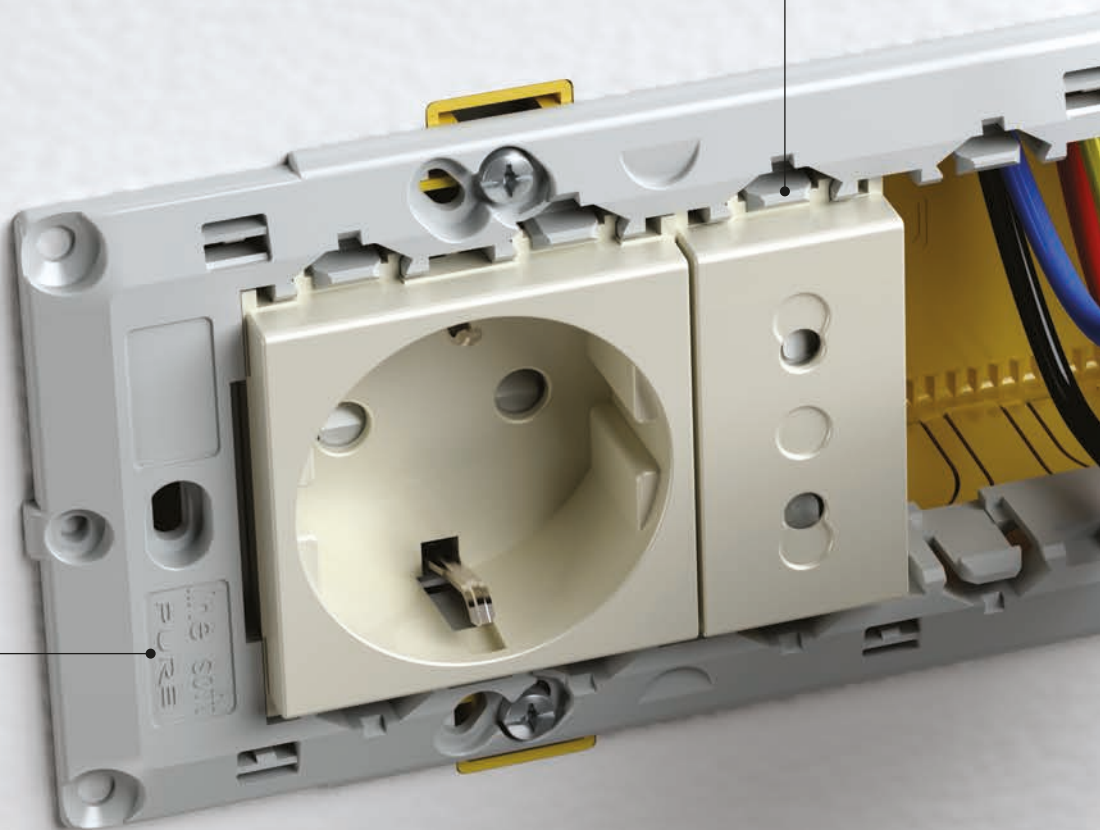
# jednostavnost simplicity

Funkcijski elementi jednostavno se ugrađuju u nosač. Rješenje „klik-in, klik-out” koje smo za vas osmislili smanjit će vrijeme ugradnje. Kontakti spojeva lako su dostupni s prednje strane.

The function elements are easily fitted inside the mounting frame. The “klik-in, klik-out” solution we have developed for you will reduce installation time. The connection contacts are easily accessible from the front.

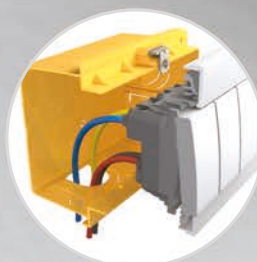
line  
soft  
PURE

klik-in, klik-out



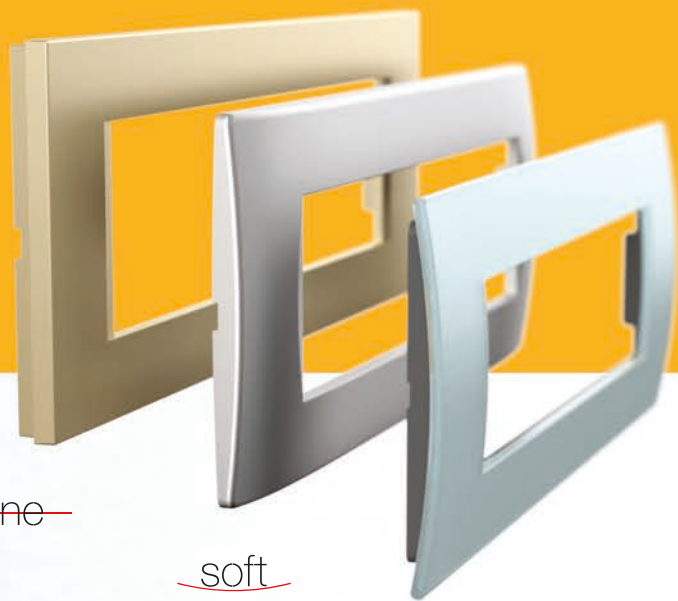
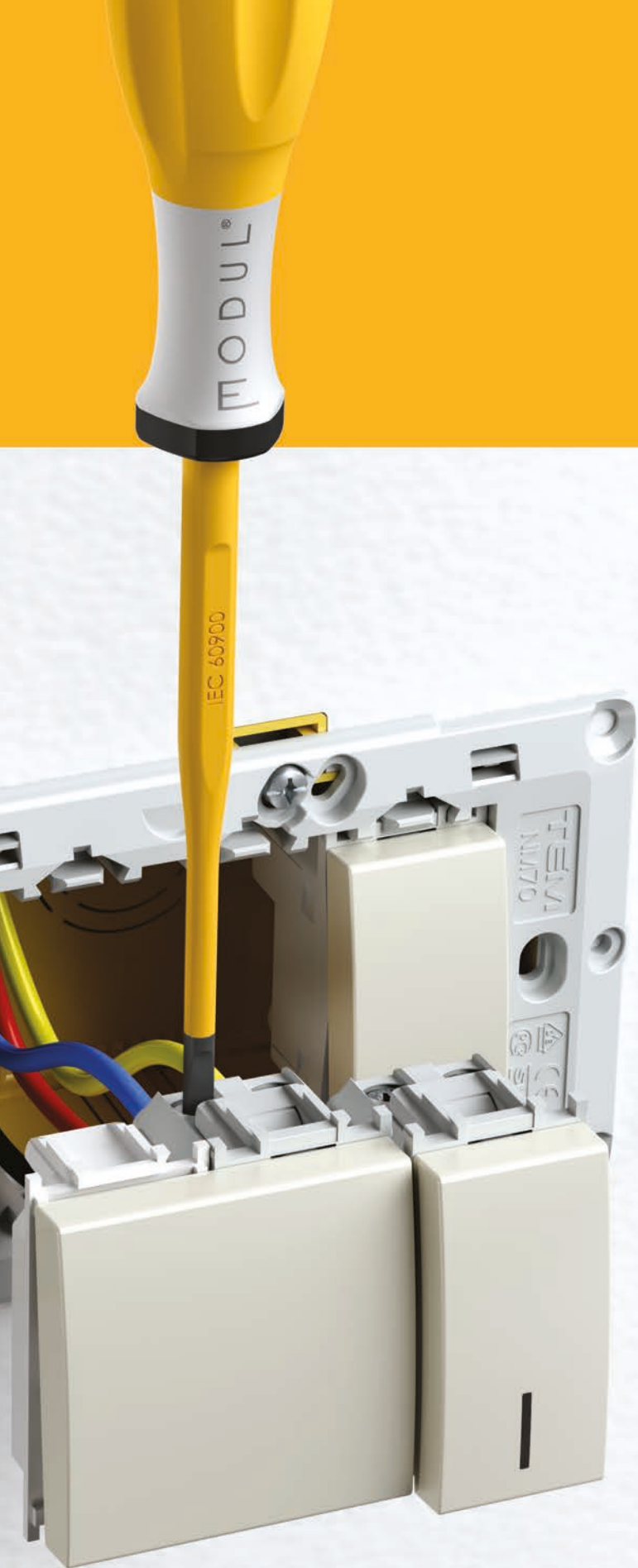
„Klick-out“ – brzo i jednostavno,  
bez potrebe za vijcima.

“klik-out” - simple and quick,  
no screws necessary.



Pravokutne kutije imaju više mjesta  
za žice spajanja.

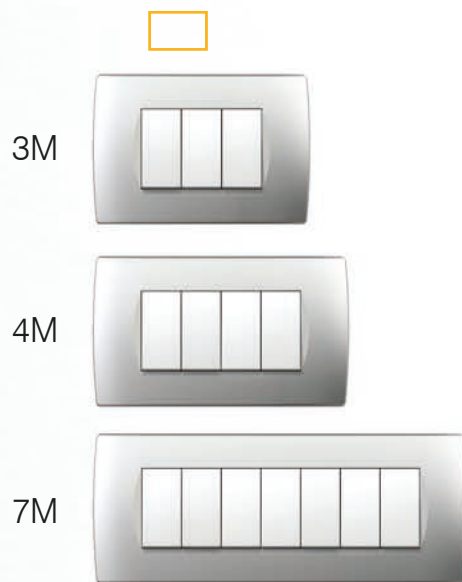
Rectangular boxes have more  
space for connection wires.



~~line~~

soft

PURE





# kombiniranje

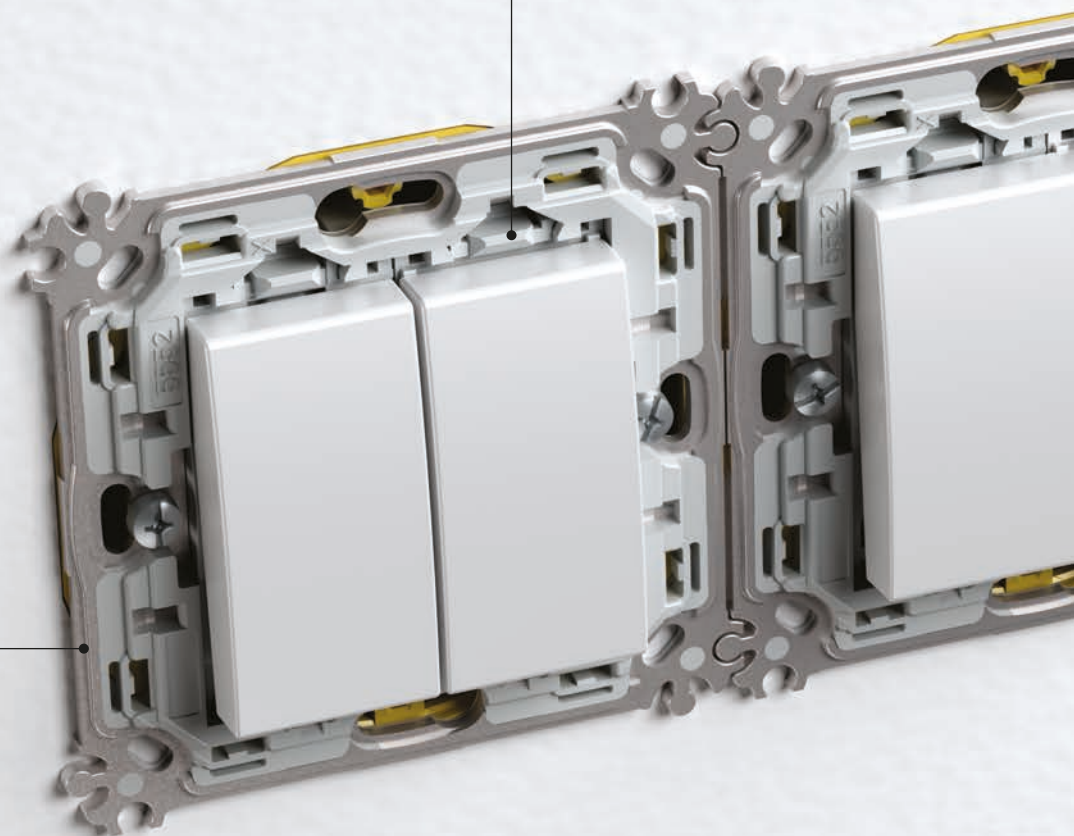
## combinability

Modul pruža brojne mogućnosti, čak i s okruglim kutijama. Možete ih kombinirati horizontalno ili vertikalno, zasebno ili u grupama. Metalni ugradbeni okvir osigurava izvrsnu stabilnost, čak i s grubim korištenjem, te je prikladan za sve okvire.

The Modul enables a many possibilities even with round boxes. You can combine them horizontally or vertically, individually or in groups. The metal mounting frame ensures excellent stability even with rough use and is suitable for any decorative cover plates.

line  
soft  
PURE

klik-in, klik-out



Isti okvir može biti postavljen horizontalno ili vertikalno.  
The same cover plate can be positioned horizontally or vertically.



Ugradbeni okvir može biti pričvršćen vijcima ili zupčastim spojevima.  
Mounting frames can be fixed with screws or claws.





line

soft

PURE



2M



2x2M



3x2M



4x2M

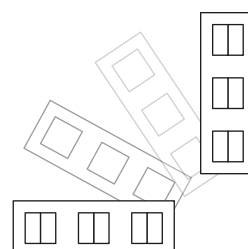
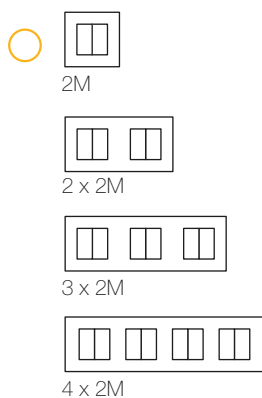
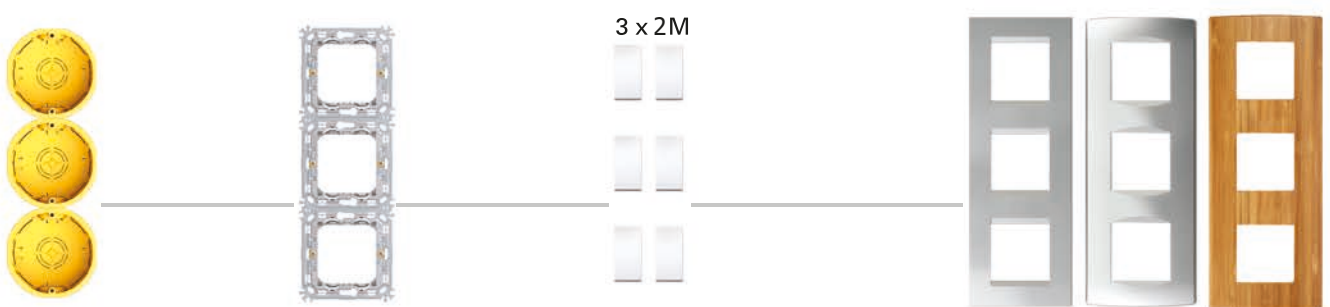
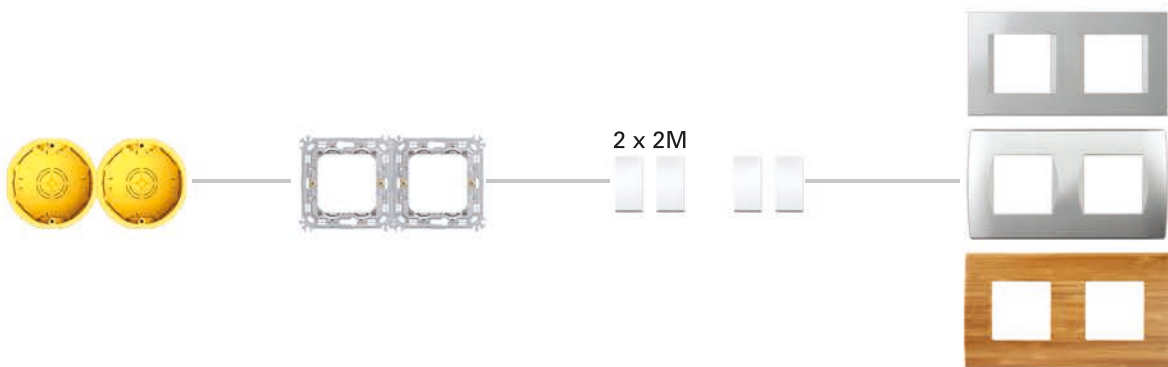
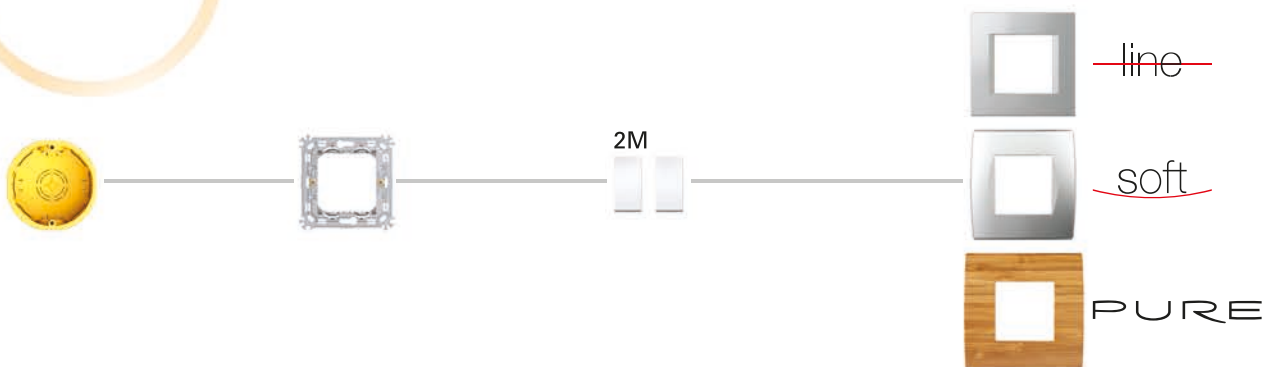


2M ugradbeni okviri lako se spajaju u grupe.

2M mounting frames are easily joined into groups.

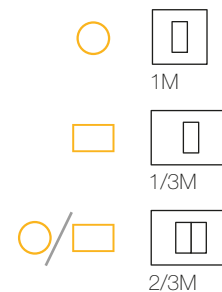
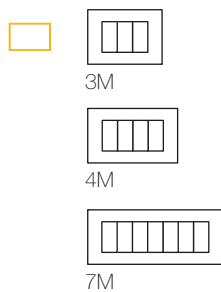
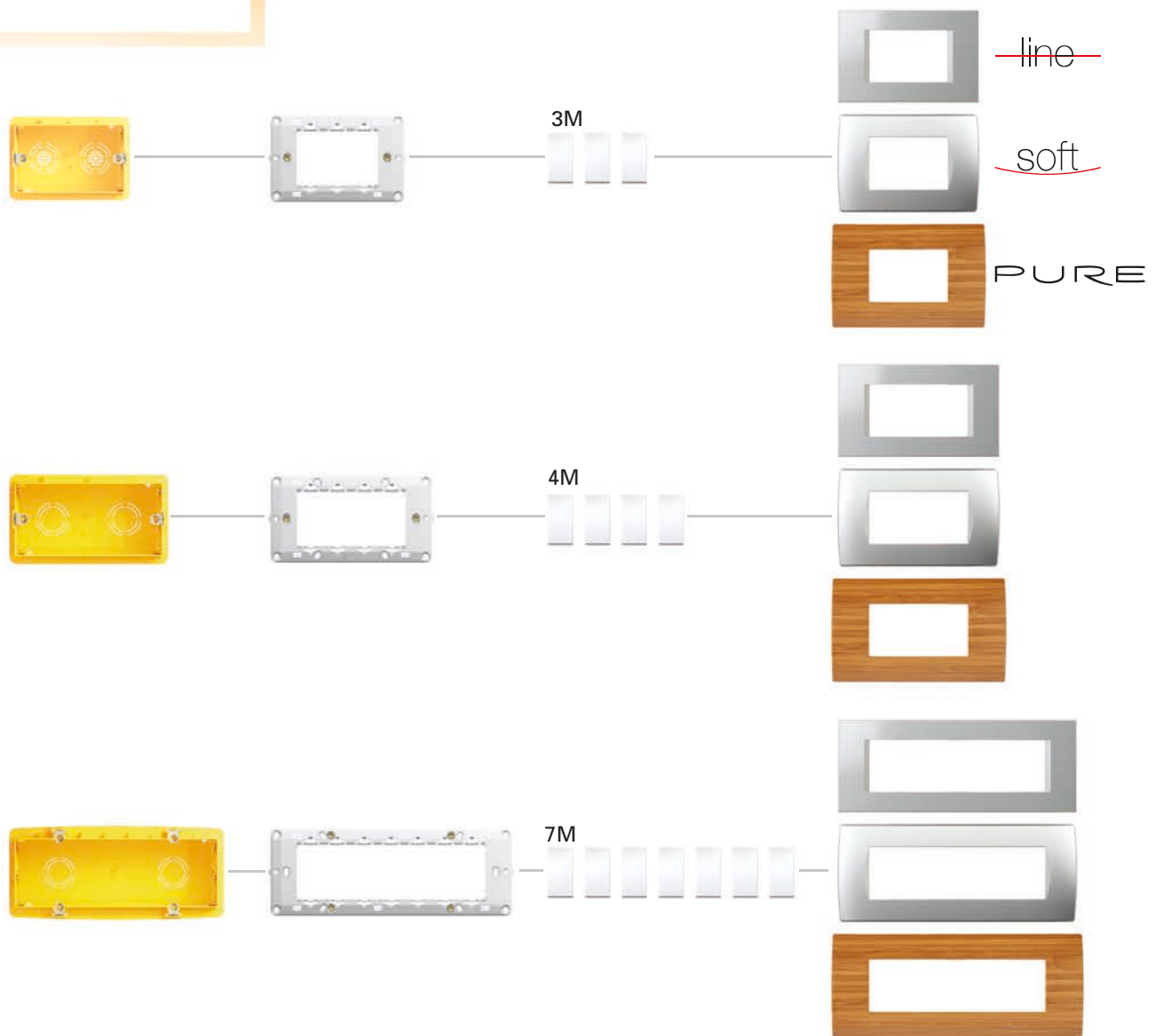
# univerzalnost

universality



Sustav je univerzalan te se može ugraditi i u  
okrugle i u pravokutne kutije.

The system is universal and can be fitted in both round and  
rectangular boxes.



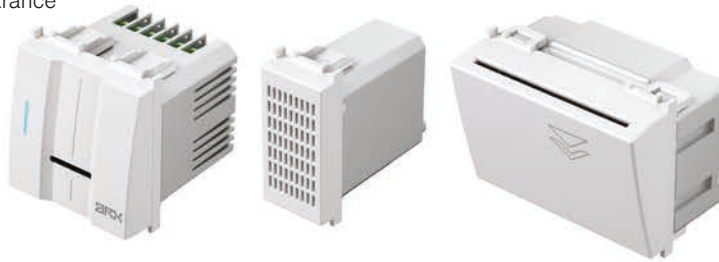
# funkcijski elementi

## function elements

• sklopke  
switches



• ulaz  
entrance



# MODUL

• štednja energije  
energy saving



Pouzdanost spajanje kod korištenja žica različitih debljina.

Reliable connection even when different size of wires are used.



Dugotrajnost sklopki te usklađenost s međunarodnim standardima.

Long-life of switches and adequacy to the international standards.



We have designed a wide selection of function element for the Modul family. You can use them to design both simple and complex installations.



- utičnice sockets
- zabava entertainment
- osvjetljenje illumination



Sve su uticnice opremljene sigurnosnim sklopovima koji osiguravaju zaštitu od kontakta s naponom.  
All the sockets are equipped with a safety shutters assuring the protection to live contacts.



Sklopka je vrlo pouzdana zahvaljujući srebrnim zakovicama kontakata.  
The switch is highly reliable via its silver rivets contacts.

# jedinstven raspon iskoristivosti

unique range of usability

Modul Soft AW  
antibakterijsko rješenje  
antibacterial solution



# MODUL

CUBO IP20

nadžbukna kutija  
surface mounted boxes



CUBO IP55

nadžbukna kutija  
surface mounted boxes



IP44

podžbukna ugradnja  
flush mounted



Opremate li vaš dom, ured ili radionicu? Modul je prikladan kako za stambene, tako i za radne prostore te privatne i javne zgrade. Jedinstven je po tome što sklopke i utičnice mogu biti ugrađene gdje god se za to ukaže potreba.

Are you furnishing your home, office or workshop? The Modul is suitable for living as well as working spaces and both private and public buildings. It is unique in that the switches and sockets can be fitted wherever they are needed.

**D**cigla  
brick**H**šuplji zid  
hollow wall**B**beton  
concrete

• funkcijski elementi /  
function elements

sklopke / switches  
utičnice / sockets  
komunikacije / communications  
senzori / sensors  
regulatori / regulators  
rasvjetna tijela / illuminations

**MA**parapetni kanali  
trunking systems**MO**razdjelni ormarići  
distribution boards**MT**podne kutije  
floor boxes

# podžbukna rješenja

## flush mounted solutions

cigla / brick

Modul je prikladan za sve vrste zidova te se može koristiti u konvencionalnm šupljim zidovima ili betonskim konstrukcijama. Jednostavno se ugrađuje i omogućuje vam kombiniranje pravokutnih ili okruglih kutija na odgovarajućoj udaljenosti. Materijali koji se koriste usklađeni su s visokim standardima.

The Modul is suitable for all wall types and can be used in conventional, hollow wall or concrete constructions. It is easy to install and enables you to combine rectangular or round boxes at the proper distances. The materials used are compliant with high standards.







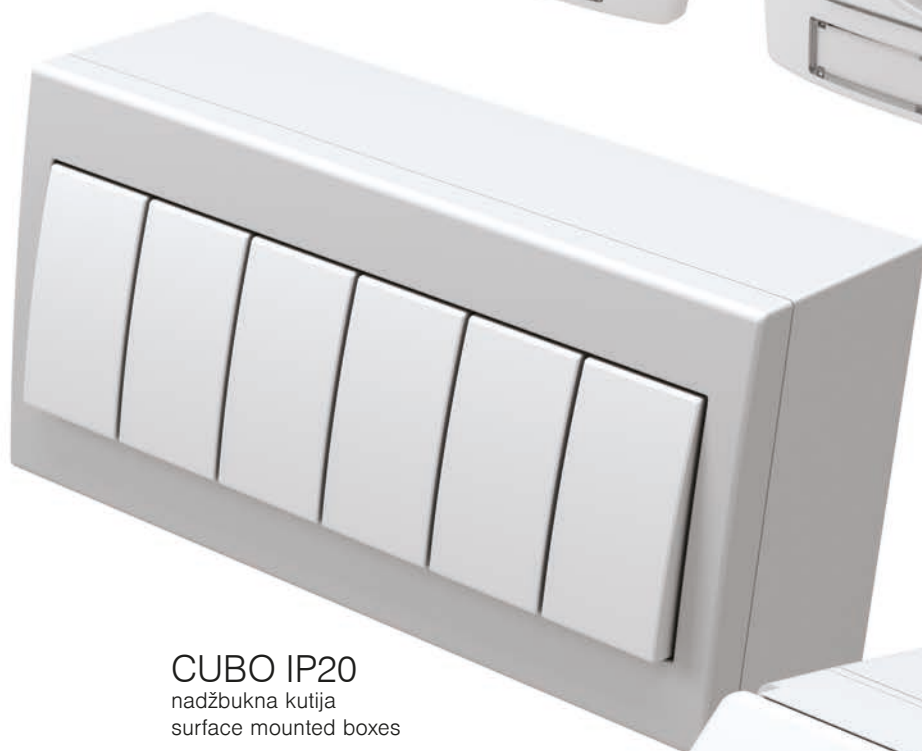
# ostala rješenja

other solutions

IP44  
podžbukna ugradnja  
flush mounted



CUBO IP20  
nadžbukna kutija  
surface mounted boxes



CUBO IP55  
nadžbukna kutija  
surface mounted boxes



Trebate li rješenje za sklopku ili utičnicu u nadžbuknoj, podžbuknoj ili podnoj varijanti? Modul pruža različita rješenja ugradnje s različitim IP zaštitama, za parapetne kanale, razdjelne ormariće ili podne kutije. Odabir je na vama.

Do you need switch or socket in flush, surface or floor solution? The Modul provides different mounting solutions with different IP protections, for trunking systems, distribution boards or floor boxes. The choice is yours.



**MA**

parapetni kanali  
trunking systems

**MO**

razdjelni ormarići  
distribution boards

**MT**

podne kutije  
floor boxes

# tehnički katalog

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MODUL

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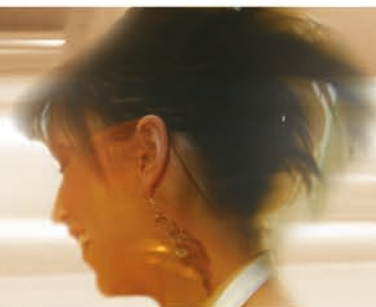
fontana —



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TEM





## FUNKCIJSKI ELEMENTI FUNCTION ELEMENTS

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COVER PLATES PURE OP



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OKVIRI LINE OL  
COVER PLATES LINE OL



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OKVIRI SOFT OS  
COVER PLATES SOFT OS

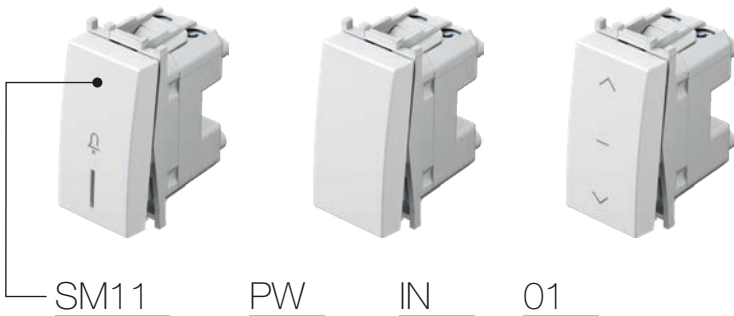


120

NOSAČI NM  
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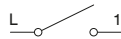


tip type	naziv description	tehnički podaci technical data	veličina size	boja colour	opcijski podaci 1 optional data 1	opcijski podaci 2 optional data 2
SM10	SKLOPKA JEDNOPOLNA SWITCH 1WAY	16AX 250V~	1M	<input type="checkbox"/> PW bijela sjajna polar white	<input type="checkbox"/> NT neutralna neutral	01
SM11	TIPKALO JEDNOPOLNO PUSH BUTTON 1WAY	16A 250V~	1M	<input checked="" type="checkbox"/> SB crna mat soft touch black	<input type="checkbox"/> IN indikator indicator	02
SM12	SKLOPKA JEDNOPOLNA SWITCH 1WAY	20A 250V~	1M	<input type="checkbox"/> ES srebrna mat elox silver		03
...	...	...	...	<input type="checkbox"/> IW bež sjajna ivory white		

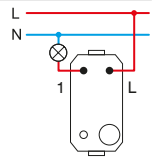
**SKLOPKA JEDNOPOLNA 16AX 250V~ 1M**



SM10



- sklopka bez tipke
  - 16AX 250V~, tip SM10
  - sukladno normi EN 60669-1
  - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- SWITCH 1WAY 16AX 250V~ 1M**
- switch without button
  - 16AX 250V~, type SM10
  - in accordance with EN 60669-1
  - screw contacts 1.5-2.5mm<sup>2</sup>



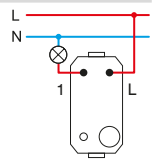
**TIPKALO JEDNOPOLNO 16A 250V~ 1M**



SM11



- tipkalo bez tipke
  - 16A 250V~, tip SM11
  - sukladno normi EN 60669-1
  - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- PUSH BUTTON 1WAY 16A 250V~ 1M**
- push button without button
  - 16A 250V~, type SM11
  - in accordance with EN 60669-1
  - screw contacts 1.5-2.5mm<sup>2</sup>



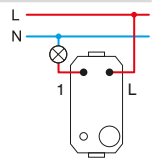
**SKLOPKA JEDNOPOLNA 20A 250V~ 1M**



SM12



- sklopka bez tipke
  - 20A 250V~, tip SM12
  - sukladno normi EN 60669-1
  - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- SWITCH 1WAY 20A 250V~ 1M**
- switch without button
  - 20A 250V~, type SM12
  - in accordance with EN 60669-1
  - screw contacts 1.5-2.5mm<sup>2</sup>

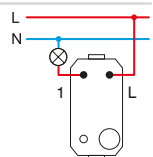


**SKLOPKA DVOPOLNA 16AX 250V~ 1M**



SM20

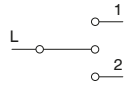
- sklopka bez tipke
  - 16AX 250V~, tip SM20
  - sukladno normi EN 60669-1
  - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
  - samo u kombinaciji s tipkom TM15
- SWITCH 2POLE 16AX 250V~ 1M**
- switch without button
  - 16AX 250V~, type SM20
  - in accordance with EN 60669-1
  - screw contacts 1.5-2.5mm<sup>2</sup>
  - only in combination with button TM15







SM40

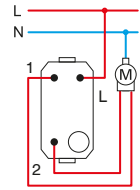


**SKLOPKA ŽALUZIJSKA 1-0-2 16AX 250V~ 1M**

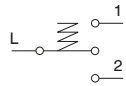
- sklopka bez tipke
- 16AX 250V~, tip SM40
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>

**SWITCH SHUTTERS 1-0-2 16AX 250V~ 1M**

- switch without button
- 16AX 250V~, type SM40
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>



SM41

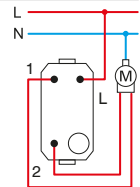


**TIPKALO ŽALUZIJSKO 1-0-2 16A 250V~ 1M**

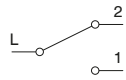
- tipkalo bez tipke
- 16A 250V~, tip SM41
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>

**PUSH BUTTON SHUTTERS 1-0-2 16A 250V~ 1M**

- push button without button
- 16A 250V~, type SM41
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>



SM60

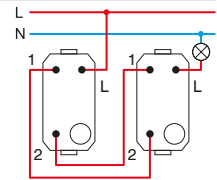


**SKLOPKA IZMJENIČNA 16AX 250V~ 1M**

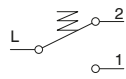
- sklopka bez tipke
- 16AX 250V~, tip SM60
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>

**SWITCH 2WAY 16AX 250V~ 1M**

- switch without button
- 16AX 250V~, type SM60
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>



SM61

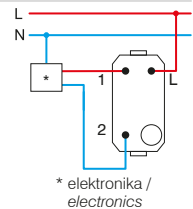


**TIPKALO IZMJENIČNO 16A 250V~ 1M**

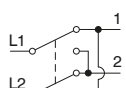
- tipkalo bez tipke
- 16A 250V~, tip SM61
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>

**PUSH BUTTON 2WAY 16A 250V~ 1M**

- push button without button
- 16A 250V~, type SM61
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>



SM70

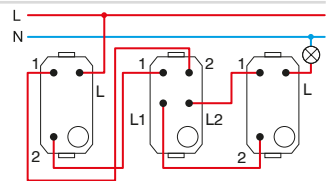


**SKLOPKA KRIŽNA 16AX 250V~ 1M**

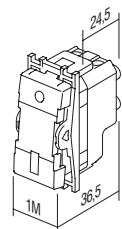
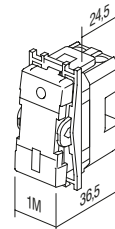
- sklopka bez tipke
- 16AX 250V~, tip SM70
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>

**SWITCH INTERMEDIATE 16AX 250V~ 1M**

- switch without button
- 16AX 250V~, type SM70
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>



1M = 22,5 x 45  
2M = 45 x 45





□ PW bijela sjajna  
polar white



■ SB crna mat  
soft touch black

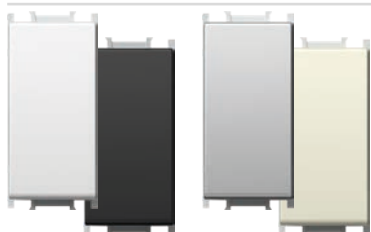


□ ES srebrna mat  
elox silver



□ IW bež sjajna  
ivory white

### SKLOPKA JEDNOPOLNA 16AX 250V~ 1M



- SM10PW
- SM10SB
- SM10ES
- SM10IW

- 16AX 250V~, tip SM10  
- sukladno normi EN 60669-1  
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>  
- zamjenjiva tipka

#### SWITCH 1WAY 16AX 250V~ 1M

- 16AX 250V~, type SM10  
- in accordance with EN 60669-1  
- screw contacts 1.5-2.5 mm<sup>2</sup>  
- replaceable button



### SKLOPKA JEDNOPOLNA 16AX 250V~ 1M \_\_ IN



- SM10PWIN
- SM10SBIN
- SM10ESIN
- SM10IWIN

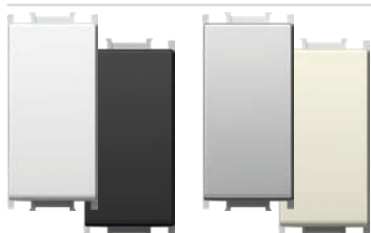
- IN indikator  
- 16AX 250V~, tip SM10  
- sukladno normi EN 60669-1  
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>  
- tinjalica nije ugrađena  
- zamjenjiva tipka

#### SWITCH 1WAY 16AX 250V~ 1M \_\_ IN

- IN indicator  
- 16AX 250V~, type SM10  
- in accordance with EN 60669-1  
- screw contacts 1.5-2.5 mm<sup>2</sup>  
- lamp is not included  
- replaceable button



### TIPKALO JEDNOPOLNO 16A 250V~ 1M



- SM11PW
- SM11SB
- SM11ES
- SM11IW

- 16A 250V~, tip SM11  
- sukladno normi EN 60669-1  
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>  
- zamjenjiva tipka

#### PUSH BUTTON 1WAY 16A 250V~ 1M

- 16A 250V~, type SM11  
- in accordance with EN 60669-1  
- screw contacts 1.5-2.5 mm<sup>2</sup>  
- replaceable button



### TIPKALO JEDNOPOLNO 16A 250V~ 1M \_\_ IN 01



- SM11PWIN01
- SM11SBIN01
- SM11ESIN01
- SM11IWIN01

- indikatorsko zvono IN 01  
- 16A 250V~, tip SM11  
- sukladno normi EN 60669-1  
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>  
- tinjalica nije ugrađena  
- zamjenjiva tipka

#### PUSH BUTTON 1WAY 16A 250V~ 1M \_\_ IN 01

- IN 01 indicator bell  
- 16A 250V~, type SM11  
- in accordance with EN 60669-1  
- screw contacts 1.5-2.5 mm<sup>2</sup>  
- lamp is not included  
- replaceable button



## TIPKALO JEDNOPOLNO 16A 250V~ 1M \_\_ IN 02



- SM11PWIN02 - svjetlosna indikacija IN 02
- SM11SBIN02 - 16A 250V~, tip SM11
- SM11ESIN02 - sukladno normi EN 60669-1
- SM11WIN02 - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- tinjalica nije ugrađena
- zamjenjiva tipka

## PUSH BUTTON 1WAY 16A 250V~ 1M \_\_ IN 02

- IN 02 indicator light
- 16A 250V~, type SM11
- in accordance with EN 60669-1
- screw contacts 1.5-2.5 mm<sup>2</sup>
- lamp is not included
- replaceable button



## SKLOPKA DVOPOLNA 16AX 250V~ 1M \_\_ NT 03



- SM20PWNT03 - NT 03 neutralna 0-1
- SM20SBNT03 - 16AX 250V~, tip SM20
- SM20ESNT03 - sukladno normi EN 60669-1
- SM20IWNT03 - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- zamjenjiva tipka

## SWITCH 2POLE 16AX 250V~ 1M \_\_ NT 03

- NT 03 neutral 0-1
- 16AX 250V~, type SM20
- in accordance with EN 60669-1
- screw contacts 1.5-2.5 mm<sup>2</sup>
- replaceable button



## SKLOPKA DVOPOLNA 16AX 250V~ 1M \_\_ IN



- SM20PWIN - IN indikator
- SM20SBIN - 16AX 250V~, tip SM20
- SM20ESIN - sukladno normi EN 60669-1
- SM20IWIN - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- tinjalica nije ugrađena
- zamjenjiva tipka

## SWITCH 2POLE 16AX 250V~ 1M \_\_ IN

- IN indicator
- 16AX 250V~, type SM20
- in accordance with EN 60669-1
- screw contacts 1.5-2.5 mm<sup>2</sup>
- lamp is not included
- replaceable button



## SKLOPKA ŽALUZIJSKA 1-0-2 16AX 250V~ 1M \_\_ NT 10



- SM40PWNT10 - NT 10 neutralna 1-0-2
- SM40SBNT10 - 16AX 250V~, tip SM40
- SM40ESNT10 - sukladno normi EN 60669-1
- SM40IWNT10 - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- zamjenjiva tipka

## SWITCH SHUTTERS 1-0-2 16AX 250V~ 1M \_\_ NT 10

- NT 10 neutral 1-0-2
- 16AX 250V~, type SM40
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>
- replaceable button



## TIPKALO ŽALUZIJSKO 1-0-2 16A 250V~ 1M \_\_ NT 10



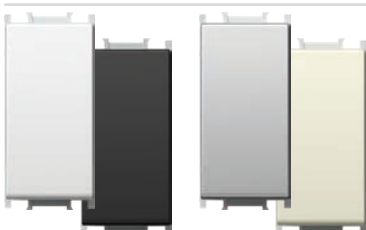
- SM41PWNT10 - NT 10 neutralna 1-0-2
- SM41SBNT10 - 16A 250V~, tip SM41
- SM41ESNT10 - sukladno normi EN 60669-1
- SM41IWNT10 - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- zamjenjiva tipka

## PUSH BUTTON SHUTTERS 1-0-2 16A 250V~ 1M \_\_ NT 10

- NT 10 neutral 1-0-2
- 16A 250V~, type SM41
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>
- replaceable button



## SKLOPKA IZMJENIČNA 16AX 250V~ 1M



- SM60PW - 16AX 250V~, tip SM60
- SM60SB - sukladno normi EN 60669-1
- SM60ES - vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- SM60IW - zamjenjiva tipka

## SWITCH 2WAY 16AX 250V~ 1M

- 16AX 250V~, type SM60
- in accordance with EN 60669-1
- screw contacts 1.5-2.5 mm<sup>2</sup>
- replaceable button





- SM61PW
- SM61SB
- SM61ES
- SM61IW

**TIPKALO IZMJENIČNO 16A 250V~ 1M**

- 16A 250V~, tip SM61
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- zamjenjiva tipka

**PUSH BUTTON 2WAY 16A 250V~ 1M**

- 16A 250V~, type SM61
- in accordance with EN 60669-1
- screw contacts 1.5-2.5 mm<sup>2</sup>
- replaceable button



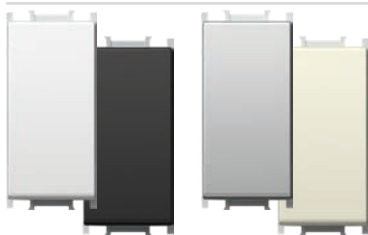
- SM62PWCD
- SM62SBCD
- SM62ESCD
- SM62IWCD

**TIPKALO IZMJENIČNO S UZICOM 16A 250V~ 1M \_\_ CD**

- CD indikator + uzica
- duljina uzice 1,5 m
- 16A 250V~, tip SM62
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>

**PUSH BUTTON 2WAY WITH CORD 16A 250V~ 1M \_\_ CD**

- CD indicator + cord
- cord length 1.5m
- 16A 250V~, type SM62
- in accordance with EN 60669-1
- screw contacts 1.5-2.5 mm<sup>2</sup>



- SM70PW
- SM70SB
- SM70ES
- SM70IW

**SKLOPKA KRIŽNA 16AX 250V~ 1M**

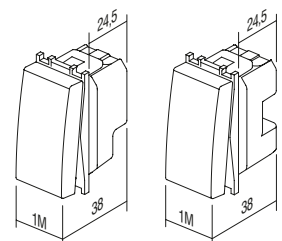
- 16AX 250V~, tip SM70
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- zamjenjiva tipka

**SWITCH INTERMEDIATE 16AX 250V~ 1M**

- 16AX 250V~, type SM70
- in accordance with EN 60669-1
- screw contacts 1.5-2.5 mm<sup>2</sup>
- replaceable button



1M = 22,5 x 45  
2M = 45 x 45

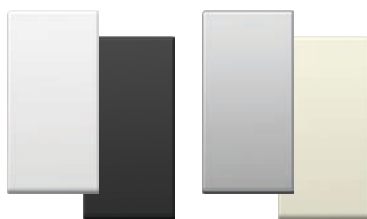




## B U T T O N S T M

tip type	naziv description	tehnički podaci	veličina size	boja colour	opcijski podaci 1 optional data 1	opcijski podaci 2 optional data 2
TM11	TIPKA BUTTON		1M	<input type="checkbox"/> PW bijela sjajna polar white	<input type="checkbox"/> NT neutralna neutral	01
TM12	TIPKA BUTTON		2M	<input checked="" type="checkbox"/> SB crna mat soft touch black	<input type="checkbox"/> IN indikator indicator	02
TM21	SLIJEPI ELEMENT BLANK		1M	<input type="checkbox"/> ES srebrna mat elox silver		03
.	.		.	<input type="checkbox"/> IW bež sjajna ivory white		
.	.		.			

## TIPKA 1M



- TM11PW
- TM11SB
- TM11ES
- TM11IW

- zamjenjiva tipka 1M  
- sukladno normi EN 60669-1

## BUTTON 1M

- replaceable button 1M  
- in accordance with EN 60669-1



## TIPKA 1M INDIKATOR



- TM11PWIN
- TM11SBIN
- TM11ESIN
- TM11IWIN

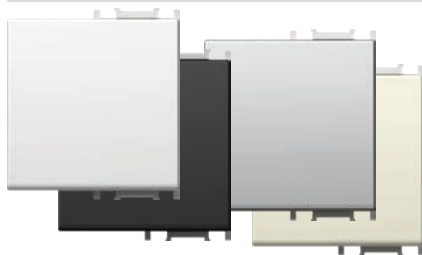
- zamjenjiva tipka 1M  
- sukladno normi EN 60669-1

## BUTTON 1M INDICATOR

- replaceable button 1M  
- in accordance with EN 60669-1



## TIPKA 2M



- TM12PW
- TM12SB
- TM12ES
- TM12IW

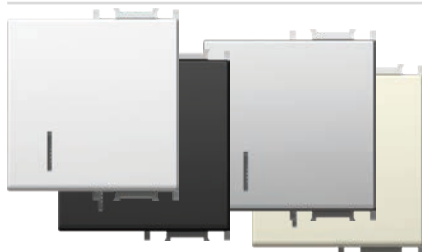
- zamjenjiva tipka 2M s nosačem tipke  
- za nadogradnju sklopke ili tipke  
s veličine 1M na veličinu 2M.  
- sukladno normi EN 60669-1

## BUTTON 2M

- replaceable button 2M with button carrier  
- to upgrade switch or push button  
from size 1M to size 2M  
- in accordance with EN 60669-1



## TIPKA 2M INDIKATOR



- TM12PWIN
- TM12SBIN
- TM12ESIN
- TM12IWIN

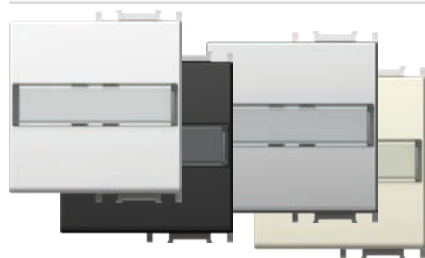
- zamjenjiva tipka 2M s nosačem tipke  
- za nadogradnju sklopke ili tipke  
s veličine 1M na veličinu 2M.  
- sukladno normi EN 60669-1

## BUTTON 2M INDICATOR

- replaceable button 2M with button carrier  
- to upgrade switch or push button  
from size 1M to size 2M  
- in accordance with EN 60669-1



**TIPKA 2M S NATPISNOM PLOČICOM**



- TM13PWIL
- TM13SBIL
- TM13ESIL
- TM13IWIL

- zamjenjiva tipka 2M s nosačem tipke  
 - upotrebljava se pri nadogradnji sklopke ili tipkala od veličine 1M na veličinu 2M  
 - sukladno normi EN 60669-1

**BUTTON 2M WITH INSCRIPTION PLATE**

- replaceable button 2M with button carrier  
 - to upgrade switch or push button from size 1M to size 2M  
 - in accordance with EN 60669-1



**TIPKA 1M DVOPOLNA**



- TM15PW
- TM15SB
- TM15ES
- TM15IW

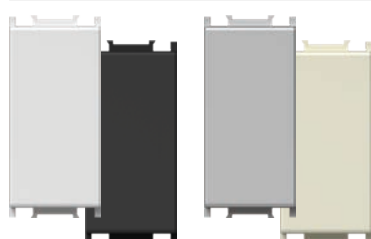
- zamjenjiva tipka 1M  
 - samo u kombinaciji s mehanizmom SM20  
 - sukladno normi EN 60669-1

**BUTTON 1M 2POLE**

- replaceable button 1M  
 - only in combination with mechanism SM20  
 - in accordance with EN 60669-1



**SLIJEPI ELEMENT 1M**



- TM21PW
- TM21SB
- TM21ES
- TM21IW

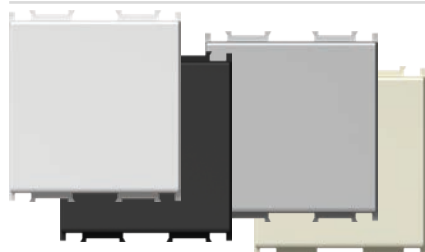
- slijepi element za popunjavanje praznog mjesta  
 - sukladno normi EN 60669-1

**BLANK 1M**

- blank modul to fill up empty spaces  
 - in accordance with EN 60669-1



**SLIJEPI ELEMENT 2M**



- TM22PW
- TM22SB
- TM22ES
- TM22IW

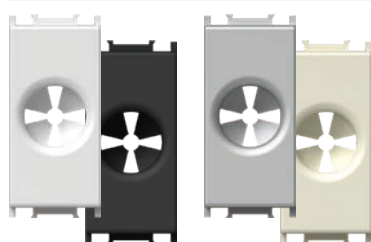
- slijepi element za popunjavanje praznog mjesta  
 - sukladno normi EN 60669-1

**BLANK 2M**

- blank modul to fill up empty spaces  
 - in accordance with EN 60669-1



**UVODNICA 1M**



- TM31PW
- TM31SB
- TM31ES
- TM31IW

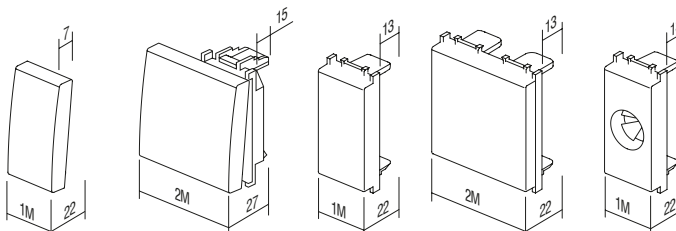
- uvodnica za kabel  
 - sukladno normi EN-60669-1

**CABLE OUTLET 1M**

- outlet for cable  
 - in accordance with EN-60669-1



1M = 22,5 x 45  
 2M = 45 x 45



TM11  
TM15

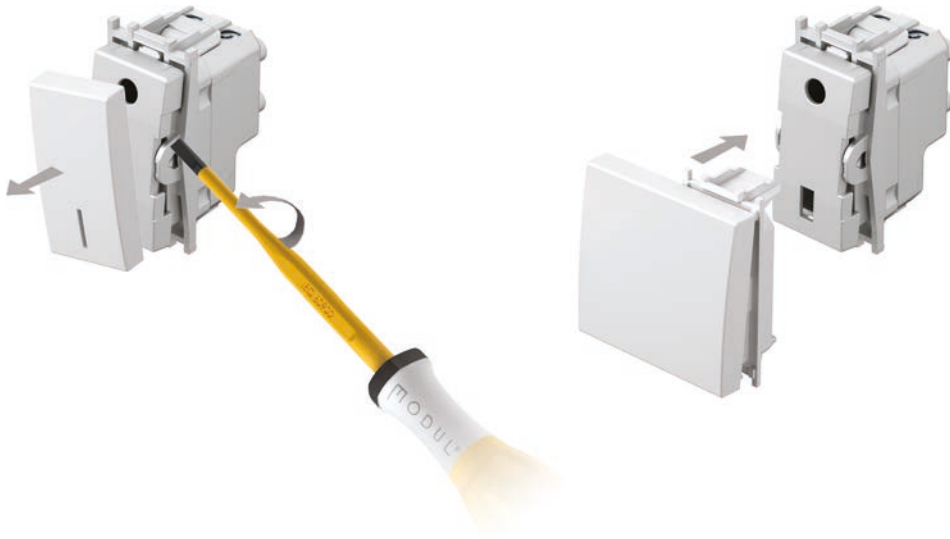
TM12  
TM13

TM21

TM22

TM31

## B U T T O N S T M



## LASERSKO GRAVIRANJE NA TIPKAMA

- lasersko graviranje proizvoljne grafike na označenome mjestu
- standardni simboli dostupni sa skladišta, ostali na zahtjev

## LASER PRINT ON BUTTONS

- laser print of any graphics on marked locations
- standard symbols from stock, other on request

1M

A
B
C

2M

A	D	G
B	E	H
C	F	I



## SIMBOLI

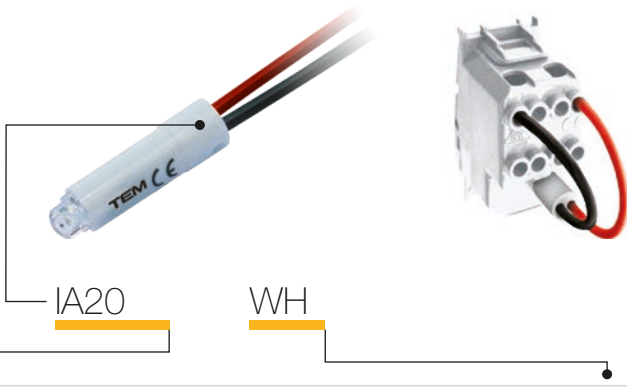
## SYMBOLS

01	02	03	04	05	06	07	08	09	10	11	12	20	21	22	23
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
					OFF	ON					AC				
40	41	42	43	44	45	46	47	48							

## STANDARDNI SIMBOLI

## STANDARD SYMBOLS





tip type	naziv description	tehnički podaci technical data	boja colour
IA10	NEONSKA TINJALICA NEON LAMP	230V~ 0,34W	□ WH <i>bijela</i> <i>white</i>
IA20	LED TINJALICA LED LAMP	230V~ AC/DC 0,40W	■ BL <i>plava</i> <i>blue</i>
IA21	LED TINJALICA LED LAMP	24V AC/DC 0,20W	■ RD <i>crvena</i> <i>red</i>
⋮	⋮	⋮	■ GR <i>zelena</i> <i>green</i>
⋮	⋮	⋮	■ OR <i>narančasta</i> <i>orange</i>

**NEONSKA TINJALICA 230V~ 0,34W**



■ IA10OR

- za indicaciju, osvjetljenje ili stalno osvjetljenje sklopke
- u kombinaciji s tipkom s indikatorom

**NEON LAMP 230V~ 0,34W**

- for indication, illumination or constant illumination of switch
- in combination with button with indicator

**LED TINJALICA 230V AC/DC 0,40W**



- IA20WH
- IA20GR
- IA20RD
- IA20BL

- za indicaciju, osvjetljenje ili stalno osvjetljenje sklopke
- u kombinaciji s tipkom s indikatorom

**LED LAMP 230V AC/DC 0,40W**

- for indication, illumination or constant illumination of switch
- in combination with button with indicator

**LED TINJALICA 24V AC/DC 0,20W**



- IA21WH
- IA21RD

- za indicaciju, osvjetljenje ili stalno osvjetljenje sklopke
- u kombinaciji s tipkom s indikatorom

**LED LAMP 24V AC/DC 0,20W**

- for indication, illumination or constant illumination of switch
- in combination with button with indicator

**LED TINJALICA 12V AC/DC 0,10W**



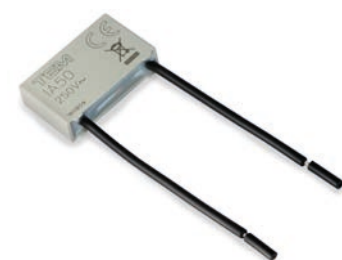
- IA22WH
- IA22RD

- za indicaciju, osvjetljenje ili stalno osvjetljenje sklopke
- u kombinaciji s tipkom s indikatorom

**LED LAMP 12V AC/DC 0,10W**

- for indication, illumination or constant illumination of switch
- in combination with button with indicator

**RC SKLOP 250V~**

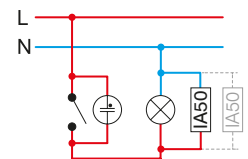


IA50

- RC sklop za uklanjanje smetnji pri radu LED svjetiljki
- moguće je usporedno povezati više RC sklopova sa svjetiljkama
- 0,1 μF, 100 Ω, 250V~

**RC CIRCUIT 250V~**

- RC circuit to eliminate disturbances in the operation of LED lamps
- parallel connections of more RC circuits with lamps are possible
- 0,1 μF, 100 Ω, 250V~



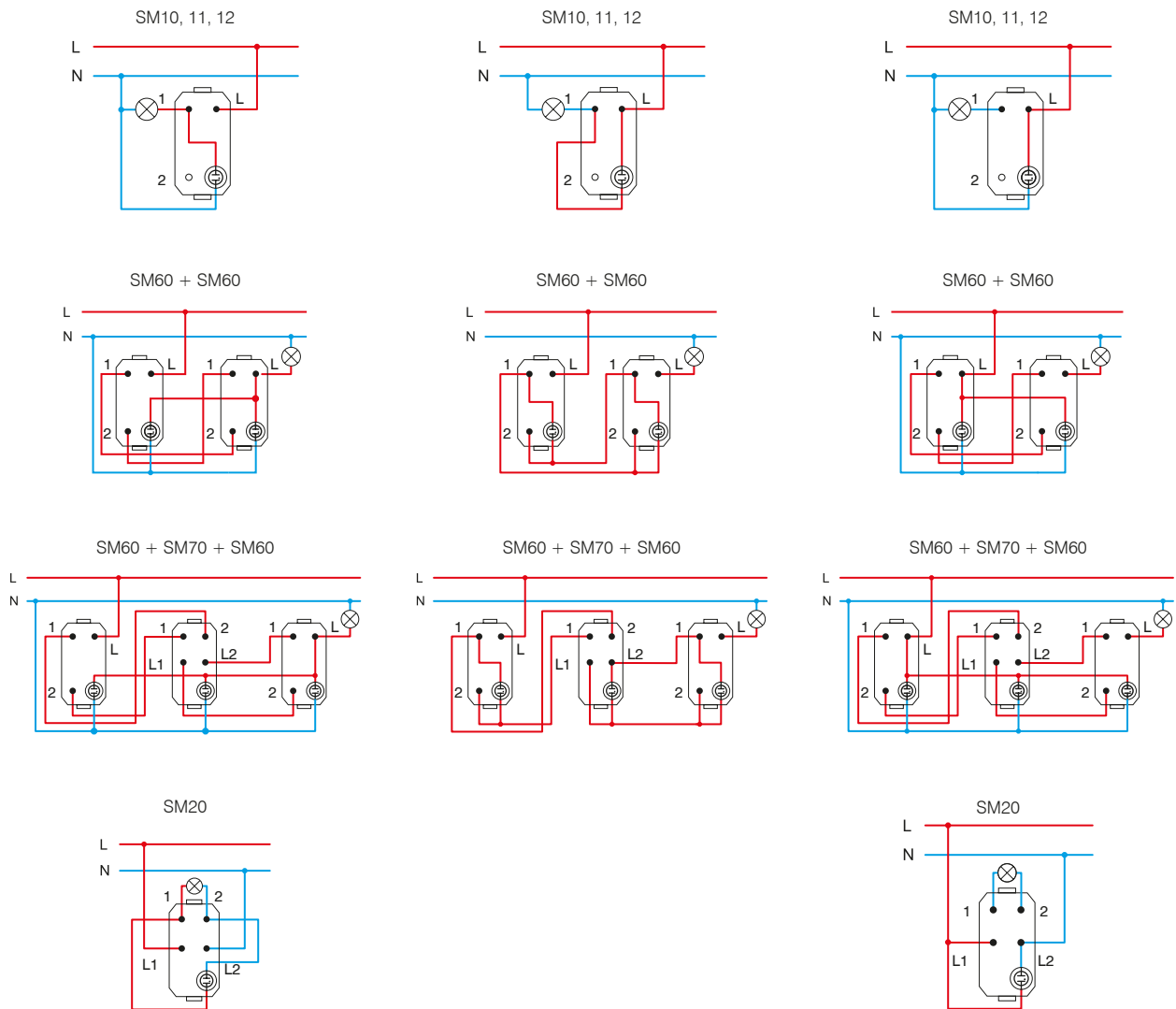


## I L L U M I N A T I O N I A

\* Indikacija /  
Indication

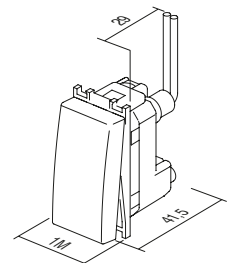
Rasvjetna tijela /  
Illumination

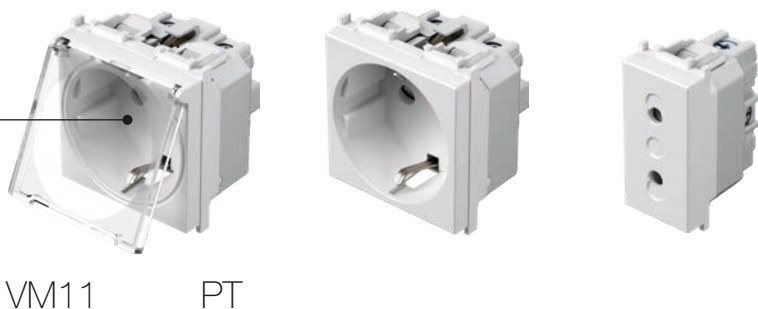
Stalno osvijetljenje /  
Constant illumination



\* spojne shema kompaktne fluorescentne tinjalice (CFL, LED) /  
wiring scheme for compact fluid lamp (CFL, LED)

1M = 22,5 x 45  
2M = 45 x 45

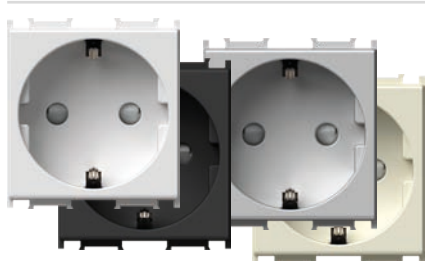




tip type	naziv description	tehnički podaci technical data	veličina size	boja colour																																				
VM10	UTIČNICA ŠUKO+KS SOCKET SCHUKO+KS	2P+E 16A 250V~	2M	<table border="0"> <tr> <td><input type="checkbox"/> PW</td> <td>bijela sjajna polar white</td> <td><input checked="" type="checkbox"/> PT</td> <td>bijela+prozirna white+transparent</td> <td><input type="checkbox"/> PP</td> <td>bijela+bijela white+white</td> </tr> </table>	<input type="checkbox"/> PW	bijela sjajna polar white	<input checked="" type="checkbox"/> PT	bijela+prozirna white+transparent	<input type="checkbox"/> PP	bijela+bijela white+white																														
<input type="checkbox"/> PW	bijela sjajna polar white	<input checked="" type="checkbox"/> PT	bijela+prozirna white+transparent	<input type="checkbox"/> PP	bijela+bijela white+white																																			
VM11	UTIČNICA ŠUKO+KS+POKLOPAC SOCKET SCHUKO+KS+COVER	2P+E 16A 250V~	2M	<table border="0"> <tr> <td><input checked="" type="checkbox"/> SB</td> <td>crna mat soft touch black</td> <td><input checked="" type="checkbox"/> BT</td> <td>crna+prozirna soft touch black+transparent</td> <td><input checked="" type="checkbox"/> BB</td> <td>crna+crna soft touch black+black</td> </tr> <tr> <td><input type="checkbox"/> ES</td> <td>srebrna mat elox silver bež sjajna</td> <td><input checked="" type="checkbox"/> ST</td> <td>srebrna+prozirna silver+transparent</td> <td><input type="checkbox"/> SS</td> <td>srebrna+srebrna silver+silver</td> </tr> <tr> <td><input type="checkbox"/> IW</td> <td>ivory white</td> <td><input checked="" type="checkbox"/> IT</td> <td>ivory+transparent</td> <td><input type="checkbox"/> II</td> <td>bež+bež ivory+ivory</td> </tr> <tr> <td><input checked="" type="checkbox"/> RD</td> <td>crvena red</td> <td><input checked="" type="checkbox"/> RT</td> <td>crvena+prozirna red+transparent</td> <td><input checked="" type="checkbox"/> RR</td> <td>crvena+crvena red+red</td> </tr> <tr> <td><input checked="" type="checkbox"/> GR</td> <td>zelen green</td> <td><input checked="" type="checkbox"/> GT</td> <td>zelen+prozirna green+transparent</td> <td><input checked="" type="checkbox"/> GG</td> <td>zelen+zelen green+green</td> </tr> <tr> <td><input checked="" type="checkbox"/> OR</td> <td>narančasta orange</td> <td><input checked="" type="checkbox"/> OT</td> <td>narančasta+prozirna orange+transparent</td> <td><input checked="" type="checkbox"/> OO</td> <td>narančasta+narančasta orange+orange</td> </tr> </table>	<input checked="" type="checkbox"/> SB	crna mat soft touch black	<input checked="" type="checkbox"/> BT	crna+prozirna soft touch black+transparent	<input checked="" type="checkbox"/> BB	crna+crna soft touch black+black	<input type="checkbox"/> ES	srebrna mat elox silver bež sjajna	<input checked="" type="checkbox"/> ST	srebrna+prozirna silver+transparent	<input type="checkbox"/> SS	srebrna+srebrna silver+silver	<input type="checkbox"/> IW	ivory white	<input checked="" type="checkbox"/> IT	ivory+transparent	<input type="checkbox"/> II	bež+bež ivory+ivory	<input checked="" type="checkbox"/> RD	crvena red	<input checked="" type="checkbox"/> RT	crvena+prozirna red+transparent	<input checked="" type="checkbox"/> RR	crvena+crvena red+red	<input checked="" type="checkbox"/> GR	zelen green	<input checked="" type="checkbox"/> GT	zelen+prozirna green+transparent	<input checked="" type="checkbox"/> GG	zelen+zelen green+green	<input checked="" type="checkbox"/> OR	narančasta orange	<input checked="" type="checkbox"/> OT	narančasta+prozirna orange+transparent	<input checked="" type="checkbox"/> OO	narančasta+narančasta orange+orange
<input checked="" type="checkbox"/> SB	crna mat soft touch black	<input checked="" type="checkbox"/> BT	crna+prozirna soft touch black+transparent	<input checked="" type="checkbox"/> BB	crna+crna soft touch black+black																																			
<input type="checkbox"/> ES	srebrna mat elox silver bež sjajna	<input checked="" type="checkbox"/> ST	srebrna+prozirna silver+transparent	<input type="checkbox"/> SS	srebrna+srebrna silver+silver																																			
<input type="checkbox"/> IW	ivory white	<input checked="" type="checkbox"/> IT	ivory+transparent	<input type="checkbox"/> II	bež+bež ivory+ivory																																			
<input checked="" type="checkbox"/> RD	crvena red	<input checked="" type="checkbox"/> RT	crvena+prozirna red+transparent	<input checked="" type="checkbox"/> RR	crvena+crvena red+red																																			
<input checked="" type="checkbox"/> GR	zelen green	<input checked="" type="checkbox"/> GT	zelen+prozirna green+transparent	<input checked="" type="checkbox"/> GG	zelen+zelen green+green																																			
<input checked="" type="checkbox"/> OR	narančasta orange	<input checked="" type="checkbox"/> OT	narančasta+prozirna orange+transparent	<input checked="" type="checkbox"/> OO	narančasta+narančasta orange+orange																																			
VM20	UTIČNICA EURO+KS SOCKET EURO+KS	2P 10A 250V~	1M																																					



UTIČNICA ŠUKO+KS 2P+E 16A 250V~ 2M



- VM10PW
- VM10SB
- VM10ES
- VM10IW

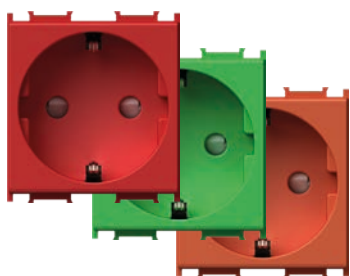
- 2P+E šuko
- 16A 250V~, tip VM10
- sukladno normama IEC 60884-1, CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta



SOCKET SCHUKO+KS 2P+E 16A 250V~ 2M

- 2P+E schuko
- 16A 250V~, type VM10
- in accordance with IEC 60884-1, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts

UTIČNICA ŠUKO+KS 2P+E 16A 250V~ 2M



- VM10RD
- VM10GR
- VM10OR

- 2P+E šuko
- 16A 250V~, tip VM10
- sukladno normama IEC 60884-1, CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

SOCKET SCHUKO+KS 2P+E 16A 250V~ 2M

- 2P+E schuko
- 16A 250V~, type VM10
- in accordance with IEC 60884-1, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



UTIČNICA ŠUKO+KS +POKLOPAC 2P+E 16A 250V~ 2M



- VM11PT
- VM11BT
- VM11ST
- VM11IT
- VM11PP

- 2P+E šuko + poklopac
- 16A 250V~, tip VM11
- sukladno normama IEC 60884-1, CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

SOCKET SCHUKO+KS+COVER

- 2P+E 16A 250V~ 2M
- 2P+E schuko+cover
- 16A 250V~, type VM11
- in accordance with IEC 60884-1, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



**UTIČNICA EURO+KS 2P 10A 250V~ 1M**



- VM20PW
- VM20SB
- VM20ES
- VM20IW

- 2P Euro
- 10A 250V~, tip VM20
- sukladno normama IEC 60884-1, CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

**SOCKET EURO+KS 2P 10A 250V~ 1M**

- 2P Euro
- 10A 250V~, type VM20
- in accordance with IEC 60884-1, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



**UTIČNICA FRANCUSKA+KS 2P+E 16A 250V~ 2M**



- VM40PW
- VM40SB
- VM40ES
- VM40IW

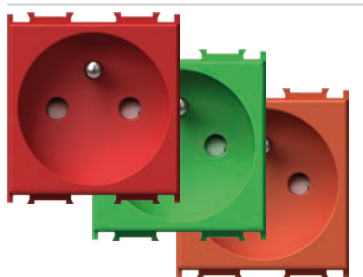
- 2P+E francuska
- 16A 250V~, tip VM40
- sukladno normama IEC 60884-1, NF C 61-314 CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

**SOCKET FRENCH+KS 2P+E 16A 250V~ 2M**

- 2P+E French
- 16A 250V~, type VM40
- in accordance with IEC 60884-1, NF C 61-314, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



**UTIČNICA FRANCUSKA+KS 2P+E 16A 250V~ 2M**



- VM40RD
- VM40GR
- VM40OR

- 2P+E francuska
- 16A 250V~, tip VM40
- sukladno normama IEC 60884-1, NF C 61-314 CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

**SOCKET FRENCH+KS 2P+E 16A 250V~ 2M**

- 2P+E French
- 16A 250V~, type VM40
- in accordance with IEC 60884-1, NF C 61-314, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



**UTIČNICA FRANCUSKA+KS+POKLOPAC 2P+E 16A 250V~ 2M**



- VM41PT
- VM41BT
- VM41ST
- VM41IT

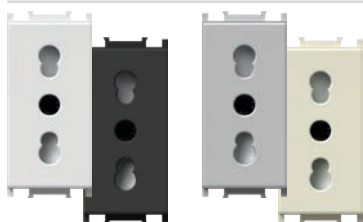
- 2P+E francuska+poklopac
- 16A 250V~, tip VM41
- sukladno normama IEC 60884-1, NF C 61-314 CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

**SOCKET FRENCH+KS+COVER**

- 2P+E 16A 250V~ 2M
- 2P+E French+cover
- 16A 250V~, type VM41
- in accordance with IEC 60884-1, NF C 61-314, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



**UTIČNICA TALIJANSKA P17/11+KS 2P+E 16A 250V~ 1M**



- VM30PW
- VM30SB
- VM30ES
- VM30IW

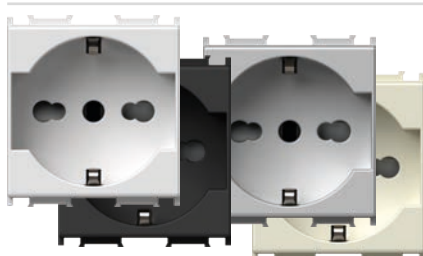
- 2P+E talijanska P17/11
- 16A 250V~, tip VM30
- sukladno normama IEC 60884-1, CEI 23-50
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

**SOCKET ITALIAN P17/11+KS 2P+E 16A 250V~ 1M**

- 2P+E Italian P17/11
- 16A 250V~, type VM30
- in accordance with IEC 60884-1, CEI 23-50
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



**UTIČNICA ŠUKO TALIJANSKA P17/11+KS 2P+E 16A 250V~ 2M**



- VM31PW
- VM31SB
- VM31ES
- VM31IW

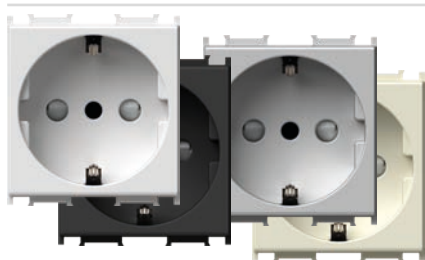
- 2P+E šuko/talijanska P17/11
- 16A 250V~, tip VM31
- sukladno normama IEC 60884-1, CEI 23-50
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

**SOCKET SCHUKO/ITAL P17/11+KS**

- 2P+E 16A 250V~ 2M
- 2P+E schuko/italian P17/11
- 16A 250V~, type VM31
- in accordance with IEC 60884-1, CEI 23-50
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



UTIČNICA ŠUKO TALIJANSKA P30+KS 2P+E 16A 250V~ 2M



- VM32PW
- VM32SB
- VM32ES
- VM32IW

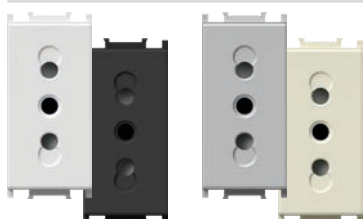
- 2P+E šuko/talijanska P30
- 16A 250V~, tip VM32
- sukladno normama IEC 60884-1, CEI 23-50
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

SOCKET SCHUKO/ITALIA P30+KS  
2P+E 16A 250V~ 2M

- 2P+E schuko/italian P30
- 16A 250V~, type VM32
- in accordance with IEC 60884-1, CEI 23-50
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



UTIČNICA TALIJANSKA P11+KS 2P+E 10A 250V~ 1M



- VM33PW
- VM33SB
- VM33ES
- VM33IW

- 2P+E talijanska P11
- 10A 250V~, tip VM33
- sukladno normama IEC 60884-1, CEI 23-50
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

SOCKET ITALIAN P11+KS 2P+E 10A 250V~ 1M

- 2P+E Italian P11
- 10A 250V~, type VM33
- in accordance with IEC 60884-1, CEI 23-50
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



UTIČNICA EURO/AMERIČKA+KS 2P 16A 250V~ 1M



- VM21PW
- VM21SB
- VM21ES
- VM21IW

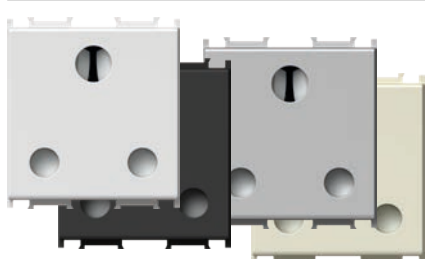
- 2P euro/američka
- 16A 250V~, tip VM21
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta
- samo za zemlje koje nisu članice EU-a

SOCKET EURO/AMERICAN+KS 2P 16A 250V~ 1M

- 2P Euro/American
- 16A 250V~, type VM21
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts
- only for countries not members of EU



UTIČNICA BRITANSKA BS 546+KS 2P+E 15A 250V~ 2M



- VM51PW
- VM51SB
- VM51ES
- VM51IW

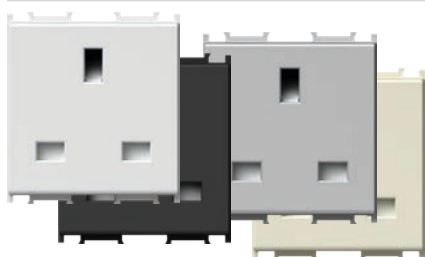
- 2P+E britanska BS 546
- 15A 250V~, tip VM51
- sukladno normi BS 546
- vijčano pričvršćivanje vodiča presjeka 1,5-4 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

SOCKET BRITISH BS 546+KS 2P+E 15A 250V~ 2M

- 2P+E British BS 546
- 15A 250V~, type VM51
- in accordance with BS 546
- screw contacts 1.5-4 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



UTIČNICA BRITANSKA BS 1363-2+KS 2P+E 13A 250V~ 2M



- VM52PW
- VM52SB
- VM52ES
- VM52IW

- 2P+E britanska BS 1363-2
- 13A 250V~, tip VM52
- sukladno normi BS 1363-2
- vijčano pričvršćivanje vodiča presjeka 1,5-4 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

SOCKET BRITISH BS 1363-2+KS 2P+E 13A 250V~ 2M

- 2P+E British BS 1363-2
- 13A 250V~, type VM52
- in accordance with BS 1363-2
- screw contacts 1.5-4 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts



PRENAPONSKA ZAŠTITA MPE MINI 275V/50Hz

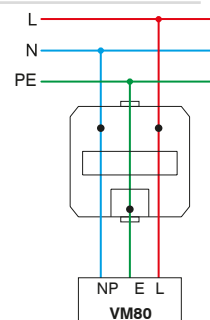


VM80

- paralelni spoj s prvom utičnicom u nizu
- razred zaštite III
- U<sub>c</sub> = 275Vac, U<sub>oc</sub>/I<sub>sc</sub> = 6kV/3kA, U<sub>p</sub> < 800V
- sukladno normi IEC 61643-1
- vodiči presjeka 1,5 mm<sup>2</sup>, IP20
- zvučni signal u slučaju proboja





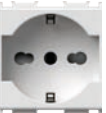








SURGE PROTECTOR MPE MINI 275V/50Hz

- parallel connection with the first socket in the row
- protection class III
- U<sub>c</sub> = 275Vac, U<sub>oc</sub>/I<sub>sc</sub> = 6kV/3kA, U<sub>p</sub> < 800V
- in accordance with IEC 61643-1
- wires 1.5mm<sup>2</sup>, IP20
- sound signal at breakdown




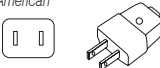






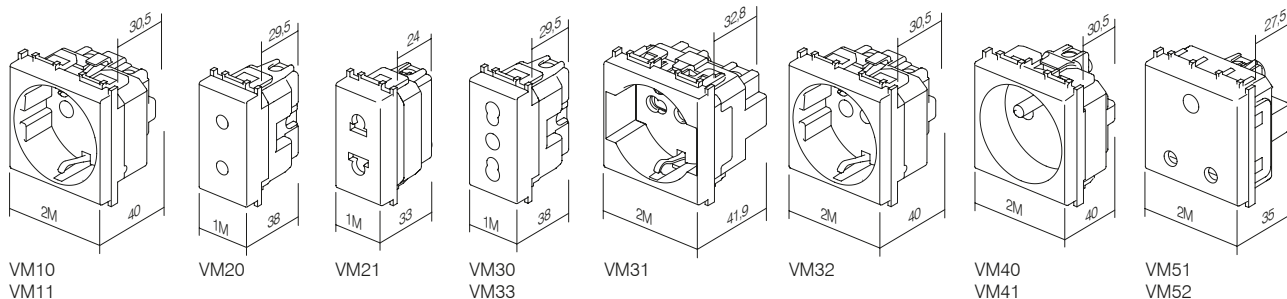
POVEZIVANJE UTIČNICA I UTIKAČA  
SOCKETS AND PLUGS MATCHING

UTIČNICA / SOCKET								
VRSTA UTIKAČA / PLUG STYLE	VM10 VM11	VM20	VM30	VM33	VM31	VM32	VM40 VM41	VM21
Njemački / German 	•				•	•		
Francuski / French 	•				•	•	•	
Talijanski / Italian S11 			•	•	•	•		
Talijanski / Italian S17 			•		•			
euro 	•	•	•		•	•	•	•

POVEZIVANJE UTIČNICA I UTIKAČA  
SOCKETS AND PLUGS MATCHING

UTIČNICA / SOCKET			
VRSTA UTIKAČA / PLUG STYLE	VM21	VM51	VM52
Američki / American 	•		
Britanski / British BS 546 		•	
Britanski / British BS 1363-2 			•

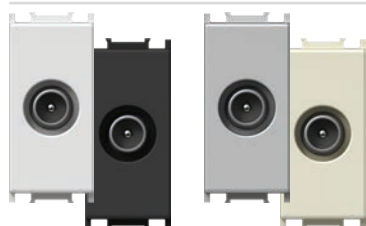
1M = 22,5 x 45  
2M = 45 x 45





tip type	naziv description	tehnički podaci technical data	veličina size	boja colour
KM10	UTIČNICA TV OSNOVNA SOCKET TV BASIC	0dB	1M	<input type="checkbox"/> PW bijela sjajna polar white
KM11	UTIČNICA TV ZAVRŠNA SOCKET TV END-LINE	1dB	1M	<input type="checkbox"/> SB crna mat soft touch black
KM12	UTIČNICA TV PROLAZNA SOCKET TV TROUGHPASS	10dB	1M	<input type="checkbox"/> ES srebrna mat elox silver
:	:	:	:	<input type="checkbox"/> IW bež sjajna ivory white

UTIČNICA TV OSNOVNA 0dB 1M

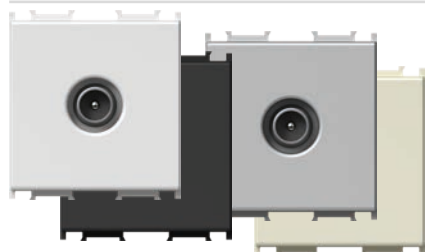


- KM10PW
- KM10SB
- KM10ES
- KM10IW

- TV osnovna  
- prigušenje 0dB  
- stražnji konektor – F standard  
*SOCKET TV BASIC 0dB 1M*  
- TV basic  
- reduction 0dB  
- back connector – F standard



UTIČNICA TV OSNOVNA 0dB 2M

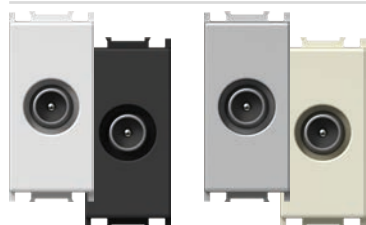


- KM20PW
- KM20SB
- KM20ES
- KM20IW

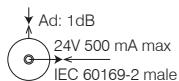
- TV osnovna  
- prigušenje 0dB  
- stražnji konektor – F standard  
*SOCKET TV BASIC 0dB 2M*  
- TV basic  
- reduction 0dB  
- back connector – F standard



UTIČNICA TV ZAVRŠNA 1dB 1M



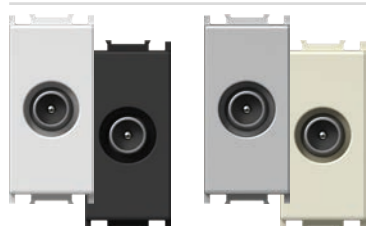
- KM11PW
- KM11SB
- KM11ES
- KM11IW



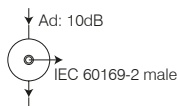
- TV završna  
- propušta frekvenciju u rasponu 5÷2400 MHz  
- prigušenje < 1 dB  
- sukladno normi EN 50083-1  
- vijčano pričvršćivanje vodiča  
*SOCKET TV END-LINE 1dB 1M*  
- TV end-line  
- frequency range 5÷2400 MHz  
- reduction < 1 dB  
- in accordance with EN 50083-1  
- screw contacts



UTIČNICA TV PROLAZNA 10dB 1M



- KM12PW
- KM12SB
- KM12ES
- KM12IW



- TV prolazna  
- propušta frekvenciju u rasponu 5÷2400 MHz  
- prigušenje < 10 dB  
- sukladno normi EN 50083-1  
- vijčano pričvršćivanje vodiča  
*SOCKET TV TROUGHPASS 10dB 1M*  
- TV troughpass  
- frequency range 5÷2400 MHz  
- reduction < 10 dB  
- in accordance with EN 50083-1  
- screw contacts



**UTIČNICA SAT OSNOVNA 0dB 1M**



- KM15PW
- KM15SB
- KM15ES
- KM15IW

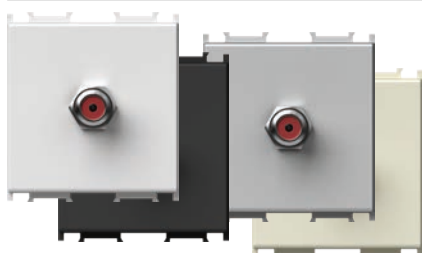
- SAT osnovna
- prigušenje 0dB
- stražnji konektor – F standard

**SOCKET SAT BASIC 0dB 1M**

- SAT basic
- reduction 0dB
- back connector – F standard



**UTIČNICA SAT OSNOVNA 0dB 2M**



- KM24PW
- KM24SB
- KM24ES
- KM24IW

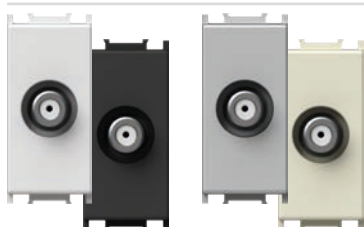
- SAT osnovna
- prigušenje 0dB
- stražnji konektor – F standard

**SOCKET SAT BASIC 0dB 2M**

- SAT basic
- reduction 0dB
- back connector – F standard



**UTIČNICA SAT ZAVRŠNA 1dB 1M**

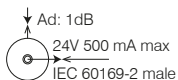


- KM16PW
- KM16SB
- KM16ES
- KM16IW

- SAT završna
- propušta frekvenciju u rasponu 5÷2400 MHz
- prigušenje < 1dB
- sukladno normi EN 50083-1
- vijčano pričvršćivanje vodiča

**SOCKET SAT END-LINE 1dB 1M**

- SAT end-line
- frequency range 5÷2400 MHz
- reduction < 1dB
- in accordance with EN 50083-1
- screw contacts



**UTIČNICA R OSNOVNA 0dB 1M**



- KM19PW
- KM19SB
- KM19ES
- KM19IW

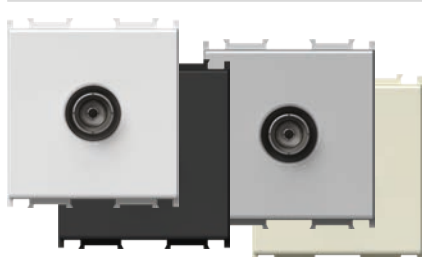
- R OSNOVNA
- prigušenje 0dB
- stražnji konektor – F standard

**SOCKET R BASIC 0dB 1M**

- R basic
- reduction 0dB
- back connector – F standard



**UTIČNICA R OSNOVNA 0dB 2M**



- KM29PW
- KM29SB
- KM29ES
- KM29IW

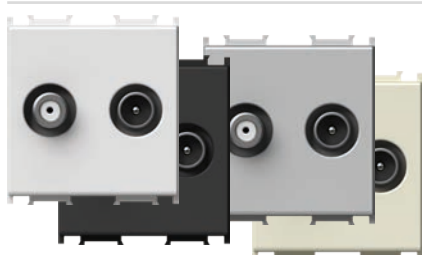
- R osnovna
- prigušenje 0dB
- stražnji konektor – F standard

**SOCKET R BASIC 0dB 2M**

- R basic
- reduction 0dB
- back connector – F standard



**UTIČNICA SAT-TV ZAVRŠNA 1dB 2M**

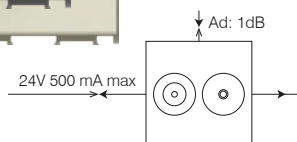


- KM25PW
- KM25SB
- KM25ES
- KM25IW

- SAT-TV završna
- propušta frekvenciju u rasponu 5÷2400 MHz
- prigušenje < 1dB
- sukladno normi EN 50083-1
- vijčano pričvršćivanje vodiča

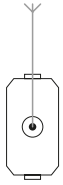
**SOCKET SAT-TV END-LINE 1dB 2M**

- SAT-TV end-line
- frequency range 5÷2400 MHz
- reduction < 1dB
- in accordance with EN 50083-1
- screw contacts



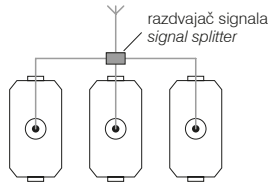
PRIMJERI OSNOVNOG SPOJA  
BASIC CONNECTION SAMPLES

pojedinačni spoj  
stand alone connection



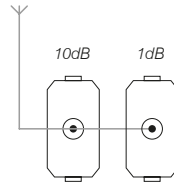
KM10  
KM20  
KM11  
KM15  
KM24  
KM16  
KM19  
KM29  
KM25

zvjezdasti spoj  
star connection



KM10  
KM20  
KM11  
KM15  
KM24  
KM16  
KM19  
KM29  
KM25

prolazni spoj  
throughpass connection



KM12 KM11



- KM22PW
- KM22SB
- KM22ES
- KM22IW

UTIČNICA AUDIO 2xRCA 1M

- audio 2x RCA
- lemljenje spojeva kabela na stražnjoj strani

SOCKET AUDIO 2xRCA 1M

- audio 2x RCA
- soldering connection of cable at the back side



- KM23PW
- KM23SB
- KM23ES
- KM23IW

UTIČNICA AUDIO ZVUČNICI 1M

- audio 2x Ø4 mm
- pričvršćivanje vodiča za zvučnike umetanjem ili banana utikačem Ø4 mm
- lemljenje spojeva kabela na stražnjoj strani

SOCKET AUDIO LOUDSPEAKERS 1M

- audio 2x Ø4mm
- to accommodate speaker wire, banana plug Ø4mm or spades
- soldering connection of cable at the back side



- KM26PW
- KM26SB
- KM26ES
- KM26IW

UTIČNICA AUDIO ZVUČNICI 2M

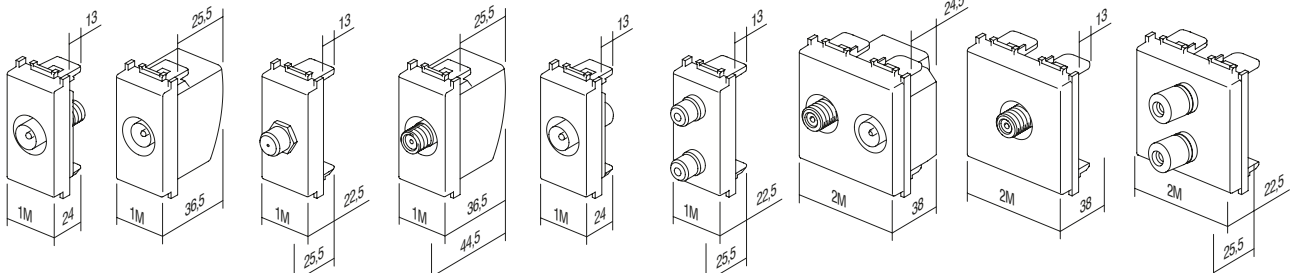
- audio 2x Ø4 mm
- pričvršćivanje vodiča za zvučnike umetanjem ili banana utikačem Ø4 mm
- lemljenje spojeva kabela na stražnjoj strani

SOCKET AUDIO LOUDSPEAKERS 2M

- audio 2x Ø4mm
- to accommodate speaker wire, banana plug Ø4mm or spades
- soldering connection of cable at the back side



1M = 22,5 x 45  
2M = 45 x 45



KM10

KM11  
KM12

KM15

KM16

KM19

KM22  
KM23

KM25

KM20  
KM24  
KM29

KM26



**UTIČNICA TEL LT RJ11 6/4 1M**



- KM30PW
- KM30SB
- KM30ES
- KM30IW

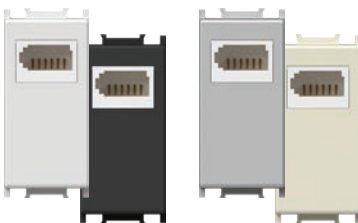
- TEL LT vijak
- RJ11 6/4
- sukladno normi IEC 60603-7
- vijčano pričvršćivanje

**SOCKET TEL LT RJ11 6/4 1M**

- TEL LT screw
- RJ11 6/4
- in accordance with IEC 60603-7
- screw contacts



**UTIČNICA TEL BT SEC 6/6 1M**



- KM31PW
- KM31SB
- KM31ES
- KM31IW

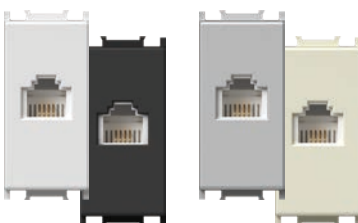
- TEL BT britanski standard
- SEC sekundarna 6/6
- sukladno normi BS 6312
- vijčano pričvršćivanje

**SOCKET TEL BT SEC 6/6 1M**

- TEL BT British standard
- SEC secondary 6/6
- in accordance with BS 6312
- screw contacts



**UTIČNICA TEL KS RJ11 6/4 1M**



- KM36PW
- KM36SB
- KM36ES
- KM36IW

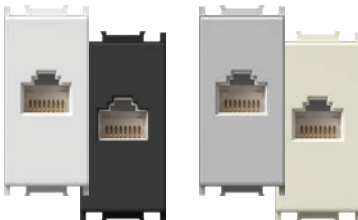
- KS keystone standard pričvršćivanja
- RJ11 6/4
- sukladno normi IEC 60603-7

**SOCKET TEL KS RJ11 6/4 1M**

- KS keystone fixing standard
- RJ11 6/4
- in accordance with IEC 60603-7



**UTIČNICA CAT5e KS RJ45 8/8 1M**



- KM37PW
- KM37SB
- KM37ES
- KM37IW

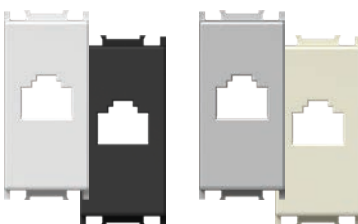
- KS keystone standard pričvršćivanja
- CAT5e, RJ45 8/8
- sukladno normi IEC 60603-7

**SOCKET CAT5e KS RJ45 8/8 1M**

- KS keystone fixing standard
- CAT5e, RJ45 8/8
- in accordance with IEC 60603-7



**ADAPTER KS 1M**



- KM35PW
- KM35SB
- KM35ES
- KM35IW

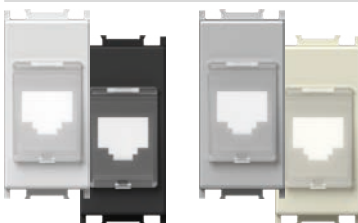
- KS keystone standard pričvršćivanja
- AMP, Avaya, Brandrex, FMT, Mfico, Tyco, ...
- nije ugrađen komunikacijski modul

**ADAPTER KS 1M**

- KS keystone fixing standard
- AMP, Avaya, Brandrex, FMT, Mfico, Tyco, ...
- communication module not included



**ADAPTER KS SA ZAŠTITOM OD PRAŠINE 1M**



- KM38PW
- KM38SB
- KM38ES
- KM38IW

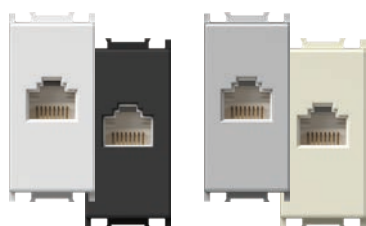
- KS keystone standard pričvršćivanja sa zaštitom od prašine
- AMP, Avaya, Brandrex, FMT, Mfico, Tyco, ...
- nije ugrađen komunikacijski modul

**ADAPTER KS WITH DUST PROTECTION 1M**

- KS keystone fixing standard with dust protection
- AMP, Avaya, Brandrex, FMT, Mfico, Tyco, ...
- communication module not included



**UTIČNICA CAT6 SCH KS RJ45 8/8 1M**



- KM39PW
- KM39SB
- KM39ES
- KM39IW

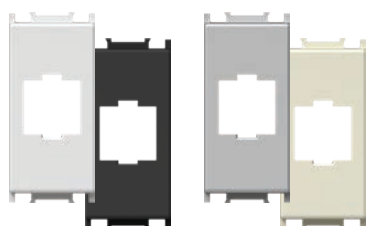
- KS keystone standard pričvršćivanja  
- CAT6 UTP toolless, RJ45 8/8  
- odgovara ISO/IEC 11801

**SOCKET CAT6 SCH KS RJ45 8/8 1M**

- KS keystone fixing standard  
- CAT6 UTP toolless, RJ45 8/8  
- in accordance with ISO/IEC 11801



**ADAPTER KS UNIVERZALNI 1M**



- KM50PW
- KM50SB
- KM50ES
- KM50IW

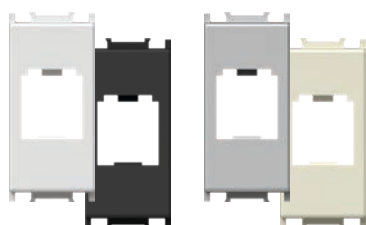
- KS keystone standard pričvršćivanja  
- prikladan za HDMI, USB  
- nije ugrađen komunikacijski modul

**ADAPTER KS UNIVERSAL 1M**

- KS keystone fixing standard  
- suitable for HDMI, USB  
- communication module not included



**ADAPTER PD 1M**



- KM40PW
- KM40SB
- KM40ES
- KM40IW

- PD Panduit Mini-COM standard pričvršćivanja  
- nije ugrađen komunikacijski modul

**ADAPTER PD 1M**

- PD Panduit Mini-COM fixing standard  
- communication module not included



**ADAPTER PD SA ZAŠTITOM OD PRAŠINE 1M**



- KM43PW
- KM43SB
- KM43ES
- KM43IW

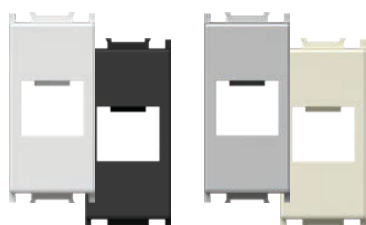
- PD Panduit Mini-COM standard pričvršćivanja sa  
zaštitom od prašine  
- nije ugrađen komunikacijski modul

**ADAPTER PD WITH DUST PROTECTION 1M**

- PD Panduit Mini-COM fixing standard with  
dust protection  
- communication module not included



**ADAPTER R&M 1M**



- KM46PW
- KM46SB
- KM46ES
- KM46IW

- R&M standard pričvršćivanja  
- nije ugrađen komunikacijski modul

**ADAPTER R&M 1M**

- R&M fixing standard  
- communication module not included



**ADAPTER R&M SA ZAŠTITOM OD PRAŠINE 1M**



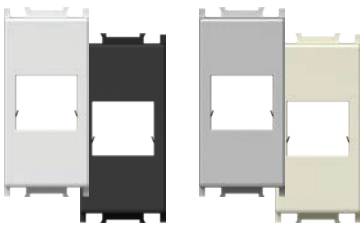
- KM47PW
- KM47SB
- KM47ES
- KM47IW

- R&M standard pričvršćivanja sa zaštitom protiv prašine  
- nije ugrađen komunikacijski modul

**ADAPTER R&M WITH DUST PROTECTION 1M**

- R&M fixing standard with dust protection  
- communication module not included



**ADAPTER LK 1M**

- KM45PW
- KM45SB
- KM45ES
- KM45IW

- LK LeoniKerpen eLine / BKS NewLine standard pričvršćivanja
- nije uključen komunikacijski modul

**ADAPTER LK 1M**

- LK LeoniKerpen eLine / BKS NewLine fixing standard
- communication module not included

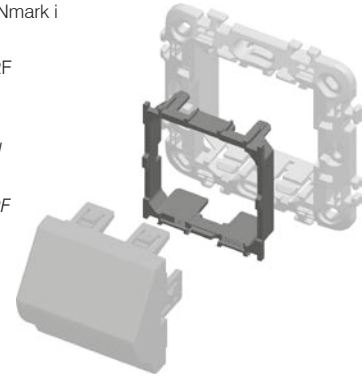
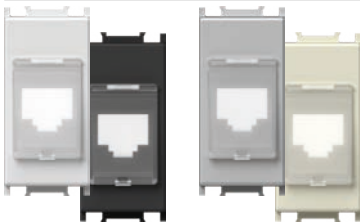
**ADAPTER NEXANS/SCHRACK 2M**

KA26

- pričvršćivanje adaptera za Nexans LANmark i module Schrack 45x45mm
- prikladno za tip Nexan N423.540N
- prikladno za tip Schrack HSEMD02W2F
- nije ugraben komunikacijski modul

**ADAPTER NEXANS/SCHRACK 2M**

- fixing adapter for Nexans LANmark and Schrack module 45x45mm
- suitable for Nexans type N423.540N
- suitable for Schrack type HSEMD02W2F
- communication module not included

**ADAPTER AT&T SYSTIMAX SA ZAŠTITOM OD PRAŠINE 1M**

- KM48PW
- KM48SB
- KM48ES
- KM48IW

- AT&T Systemax standard pričvršćivanja sa zaštitom od prašine
- nije ugrađen komunikacijski modul

**ADAPTER AT&T SYSTIMAX WITH DUST PROTECTION 1M**

- AT&T Systemax fixing standard with dust protection
- communication module not included

**UTIČNICA USB TIP A 1M**

- KM51PW
- KM51SB
- KM51ES
- KM51IW

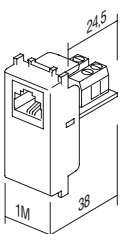
- USB 2.0 utičnica tip A
- vijčano pričvršćivanje, raster 5 mm, 1,5 mm<sup>2</sup>, 1x2P + 1x3P
- spajanje:
  - PIN 1 – VCC (+5V, crvena žica)
  - PIN 2 – Data - (bijela žica)
  - PIN 3 – Data + (zelena žica)
  - PIN 4 – GND - uzemljenje (crna žica)
  - S – zaštita
- sukladno direktivi 2011/95/EU (RoHS2)

**SOCKET USB TYPE A 1M**

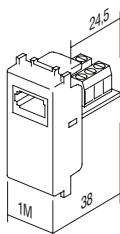
- USB 2.0 socket type A
- screw contacts, raster 5 mm, 1,5 mm<sup>2</sup>, 1x2P + 1x3P
- wiring:
  - PIN 1 – VCC (+5V, red wire)
  - PIN 2 – Data - (white wire)
  - PIN 3 – Data + (green wire)
  - PIN 4 – GND - ground (black wire)
  - S – shield
- in accordance with directive 2011/95/EU (RoHS2)



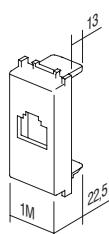
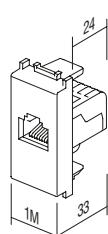
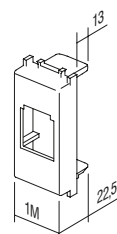
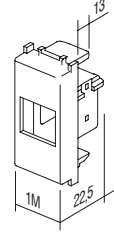
1M = 22,5 x 45  
2M = 45 x 45



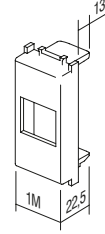
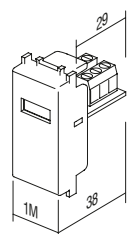
KM30



KM31

KM35  
KM38  
KM48KM36  
KM37  
KM39KM40  
KM43

KM45

KM46  
KM47  
KM50

KM51



KA10

tip <i>type</i>	naziv <i>description</i>	tehnički podaci <i>technical data</i>
KA10	KONEKTOR KS CAT3 CONNECTOR KS CAT3	RJ11 6/4
KA11	KONEKTOR KS CAT5e CONNECTOR KS CAT5e	RJ45 8/8
KA12	KONEKTOR KS CAT5eS CONNECTOR KS CAT5eS	RJ45 8/8
...	...	...

**KONEKTOR KS CAT3 RJ11 6/4**



KA10

- KS keystone standard pričvršćivanja
- CAT3, RJ11 6/4
- sukladno normi IEC 60603-7

*CONNECTOR KS CAT3 RJ11 6/4*

- KS keystone fixing standard
- CAT3, RJ11 6/4
- in accordance with IEC 60603-7

**KONEKTOR KS CAT5e RJ45 8/8**



KA11

- KS keystone standard pričvršćivanja
- CAT5e, RJ45 8/8
- sukladno normi IEC 60603-7

*CONNECTOR KS CAT5e RJ45 8/8*

- KS keystone fixing standard
- CAT5e, RJ45 8/8
- in accordance with IEC 60603-7

**KONEKTOR KS CAT5eS RJ45 8/8**



KA12

- KS keystone standard pričvršćivanja
- CAT5eS, RJ45 8/8
- sukladno normi IEC 60603-7

*CONNECTOR KS CAT5eS RJ45 8/8*

- KS keystone fixing standard
- CAT5eS, RJ45 8/8
- in accordance with IEC 60603-7

**KONEKTOR KS CAT6 SCH RJ45 8/8**



KA15

- KS keystone standard pričvršćivanja
- CAT6 UTP bezalatna montaža, RJ45 8/8
- sukladno normi ISO/IEC 11801

*CONNECTOR KS CAT6 SCH RJ45 8/8*

- KS keystone fixing standard
- CAT6 UTP toolless, RJ45 8/8
- in accordance with ISO/IEC 11801

**KONEKTOR KS CAT6S SCH RJ45 8/8**



KA16

- KS keystone standard pričvršćivanja
- CAT6S STP bezalatna montaža, RJ45 8/8
- sukladno normi ISO/IEC 11801

*CONNECTOR KS CAT6S SCH RJ45 8/8*

- KS keystone fixing standard
- CAT6S STP toolless, RJ45 8/8
- in accordance with ISO/IEC 11801

**KONEKTOR KS CAT6S SCH RJ45 8/8**



KA17

- KS keystone standard pričvršćivanja
- CAT6a STP bezalatna montaža, RJ45 8/8
- sukladno normi ISO/IEC 11801

*CONNECTOR KS CAT6a SCH RJ45 8/8*

- KS keystone fixing standard
- CAT6a STP toolless, RJ45 8/8
- in accordance with ISO/IEC 11801





KA18

**KONEKTOR TANKI KS CAT6S SCH RJ45 8/8**

- KS keystone standard pričvršćivanja
- tanki dizajn
- CAT6S STP bezalatna montaža, RJ45 8/8
- sukladno normi ISO/IEC 11801
- prikladno i s KE46 dvostrukim adapterom

**CONNECTOR SLIM KS CAT6S SCH RJ45 8/8**

- KS keystone fixing standard
- slim style
- CAT6S STP toolless, RJ45 8/8
- in accordance with ISO/IEC 11801
- suitable also for KE46 double adapter



KA27

**KONEKTOR KS HDMI**

- KS keystone standard pričvršćivanja
- samo u kombinaciji s adapterom KM50
- HDMI/HDMI

**CONNECTOR KS HDMI**

- KS keystone fixing standard
- only in combination with adapter KM50
- HDMI/HDMI



EM31

PW

tip type	naziv description	tehnički podaci technical data	veličina size	boja colour
EM10	REGULATOR OSVJETLJENJA ROTACIJSKI <i>DIMMER ROTATIVE</i>	R 300W	1M	<input type="checkbox"/> PW bijela sjajna <i>polar white</i>
EM12	REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI <i>DIMMER ROTATIVE 2WAY</i>	RL 300W	1M	<input type="checkbox"/> SB crna mat <i>soft touch black</i>
EM21	REGULATOR OSVJETLJENJA UGRADNI <i>DIMMER INBOX</i>	RLC 300W	/	<input type="checkbox"/> ES srebrna mat <i>elox silver</i>
...	...	...	...	<input type="checkbox"/> IW bež sjajna <i>ivory white</i>
...	...	...	...	<input type="checkbox"/> BL plava <i>blue</i>
...	...	...	...	<input type="checkbox"/> RD crvena <i>red</i>
...	...	...	...	<input type="checkbox"/> GR zelena <i>green</i>
...	...	...	...	<input type="checkbox"/> OR narančasta <i>orange</i>
...	...	...	...	<input type="checkbox"/> RG crveno-zelena <i>red/green</i>

**REGULATOR OSVJETLJENJA ROTACIJSKI R 300W 1M**



- EM10PW
- EM10SB
- EM10ES
- EM10IW

- rotacijski bez sklopke
- tip RTS34, 43 RVP, opterećenje R, 40W – 300W
- mrežni napon 230V~ 50Hz
- nije moguća kombinacija s izmjeničnom sklopkom
- povezivanje više regulatora osvjetljenja nije dopušteno
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- LED indikacija

**DIMMER ROTATIVE R 300W 1M**

- rotation control without switch
- type RTS34, 43 RVP, load R, 40W - 300W
- supply voltage 230V~ 50Hz
- 2-way switch combination is not possible
- more dimmers combination is not allowed
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>
- LED indication



**REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI RL 300W 1M**



- EM12PW
- EM12SB
- EM12ES
- EM12IW

- rotacijski s izmjeničnom sklopkom
- opterećenje RL, 40 W – 300 W
- napajanje 230 V~ 50 Hz
- moguća je kombinacija s izmjeničnom sklopkom
- zajedničko montiranje više uređaja u jednu dozu dopušteno je isključivo pod uvjetom da njihovo ukupno maksimalno opterećenje ne premašuje maksimalnu snagu jedne sklopke za zatamnjivanje
- dopušteno je korištenje samo jedne sklopke za zatamnjivanje po strujnom krugu
- osigurač nije montiran – morate upotrijebiti vanjski osigurač
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5 – 2,5 mm<sup>2</sup>
- integrirana LED rasvjeta označava razinu zatamnjivanja

**DIMMER ROTATIVE/2WAY RL 300W 1M**

- rotation control with 2-way switch
- load RL, 40W - 300W
- supply voltage 230V~ 50Hz
- 2-way switch combination is possible
- installing several devices together in one box is only permitted if their total maximum load does not exceed the maximum power of a single dimmer
- one circuit allows the use of only one dimmer
- no built-in fuse – external fuse must be used
- in accordance with EN 60669-1
- screw contacts - 1.5-2.5mm<sup>2</sup>
- integrated LED indication of dimming level





- EM13PW
- EM13SB
- EM13ES
- EM13IW

#### REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI LED 60W 1M

- rotacijski s izmjeničnom sklopkom
- opterećenje:
  - LED, 0 – 60 W (maks. 6 LED tinjalica s regulacijom osvjetljenja)
  - GLS, 0 – 60 W
- napajanje 230 V~ 50 Hz
- moguća je kombinacija s izmjeničnom sklopkom
- zajedničko montiranje više uređaja u jednu dozu dopušteno je isključivo pod uvjetom da njihovo ukupno maksimalno opterećenje ne premašuje maksimalnu snagu jedne sklopke za zatamnjenje
- dopušteno je korištenje samo jedne sklopke za zatamnjenje po strujnom krugu
- osigurač nije montiran – morate upotrijebiti vanjski osigurač
- sukladno normi IEC60669-2-1
- vijčano pričvršćivanje vodiča presjeka 1,5 – 2,5 mm<sup>2</sup>



#### DIMMER ROTATIVE/2WAY LED 60W 1M

- rotation control with 2-way switch
- loads: LED, 0 – 60W (max. 6 dimmable LED lamps)
- GLS, 0 – 60W
- supply voltage 230V~ 50Hz
- 2-way switch combination is possible
- installing several devices together in one box is only permitted if their total maximum load does not exceed the maximum power of a single dimmer
- one circuit allows the use of only one dimmer
- no built-in fuse – external fuse must be used
- in accordance with IEC60669-2-1
- screw contacts - 1.5-2.5mm<sup>2</sup>



- EM14PW
- EM14SB
- EM14ES
- EM14IW

#### REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI LED 180W 1M

- rotacijski s izmjeničnom sklopkom
- opterećenje:
  - LED, 0 – 180 W (maks. 20 LED tinjalica s regulacijom osvjetljenja)
  - GLS, 0 – 180 W
- napajanje 230 V~ 50 Hz
- moguća je kombinacija s izmjeničnom sklopkom
- zajedničko montiranje više uređaja u jednu dozu dopušteno je isključivo pod uvjetom da njihovo ukupno maksimalno opterećenje ne premašuje maksimalnu snagu jedne sklopke za zatamnjenje
- dopušteno je korištenje samo jedne sklopke za zatamnjenje po strujnom krugu
- osigurač nije montiran – morate upotrijebiti vanjski osigurač
- sukladno normi IEC60669-2-1
- vijčano pričvršćivanje vodiča presjeka 1,5 – 2,5 mm<sup>2</sup>



#### DIMMER ROTATIVE/2WAY LED 180W 1M

- rotation control with 2-way switch
- loads:
  - LED, 0 – 180W (max. 20 dimmable LED lamps)
  - GLS, 0 – 180W
- supply voltage 230V~ 50Hz
- 2-way switch combination is possible
- installing several devices together in one box is only permitted if their total maximum load does not exceed the maximum power of a single dimmer
- one circuit allows the use of only one dimmer
- no built-in fuse – external fuse must be used
- in accordance with IEC60669-2-1
- screw contacts - 1.5-2.5mm<sup>2</sup>



EM21

**REGULATOR OSVJETLJENJA UGRADNI RLC 300W**

- ugradni, kontrola preko vanjskog tipkala
- tip RHUN, opterećenje RLC, 25W - 300W ili 25VA - 250VA
- mrežni napon 230V~ 50Hz
- moguće je nekoliko kombinacija tipkala
- povezivanje više regulatora osvjetljenja nije dopušteno
- memoriranje jačine osvjetljenja
- funkcija usporeni start / stop
- sukladno normi EN 61058-1
- vodiči presjeka 1,5 mm<sup>2</sup>

**DIMMER INBOX RLC 300W**

- inbox, controlled by external push button
- type RHUN, load RLC, 25W - 300W or 25VA - 250VA
- supply voltage 230V~ 50Hz
- several push-buttons combination is possible
- more dimmers combination is not allowed
- light intensity memory
- soft start / stop function
- in accordance with EN 61058-1
- wires 1.5mm<sup>2</sup>



EM22

**REGULATOR OSVJETLJENJA UGRADNI R 500W**

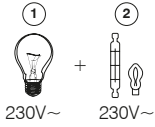
- ugradni, kontrola preko vanjskog tipkala
- tip RTL500UN, opterećenje R, 40W - 500W
- mrežni napon 230V~ 50Hz
- moguće je nekoliko kombinacija tipkala
- povezivanje više regulatora osvjetljenja nije dopušteno
- memoriranje jačine osvjetljenja
- funkcija usporeni start / stop
- sukladno normi EN 61058-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>

**DIMMER INBOX R 500W**

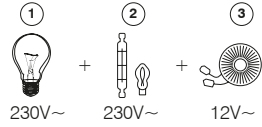
- inbox, controlled by external push button
- type RTL500UN, load R, 40W - 500W
- supply voltage 230V~ 50Hz
- several push-buttons combination is possible
- more dimmers combination is not allowed
- light intensity memory
- soft start / stop function
- in accordance with EN 61058-1
- screw contacts 1.5-2.5mm<sup>2</sup>



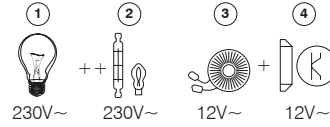
EM10 (40÷300W),  
EM22 (40÷500W)



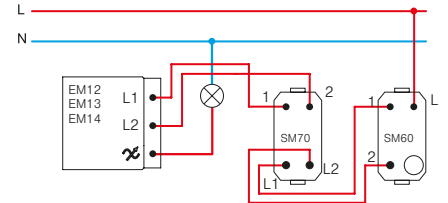
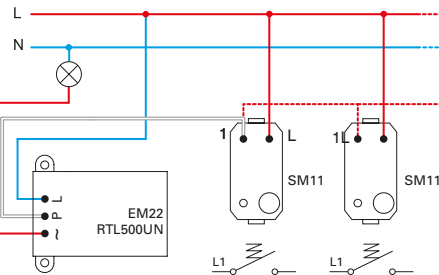
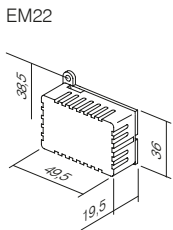
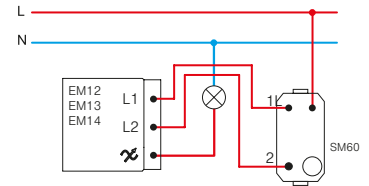
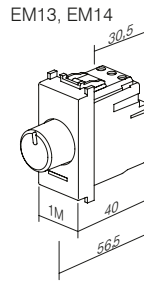
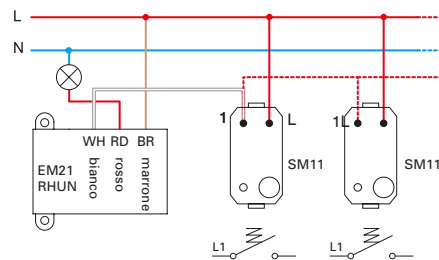
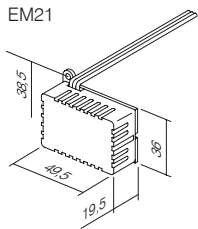
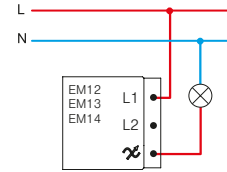
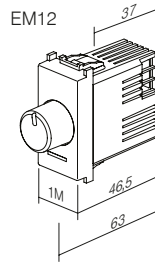
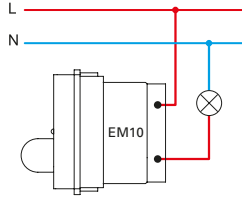
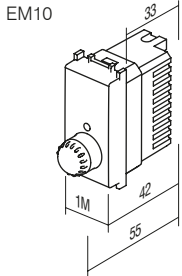
EM12 (40÷300W)



EM13 (0÷60W), EM14 (0÷180W),  
EM21 (25÷300W, 25÷250VA)



- 1 - žarulja sa žarnom niti / incandescent lamp
- 2 - halogena žarulja / halogen lamp
- 3 - klasični transformator / classical transformer
- 4 - elektronički transformator / electronic transformer

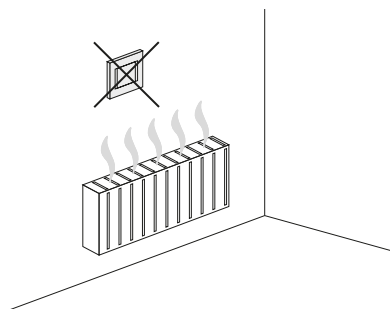


**POZOR!**

Ako se više regulatora osvetljenja priključi u jednu kutiju, za svaki se dodatni regulator smanjuje maksimalna ukupna snaga za 10%.

**ATTENTION!**

If more dimmers are connected in one box reduce maximum common power for 10% for each dimmer.



SKLOPKA / REGULATOR OSVJETLJENJA UNIVERZALNI RLC 0-300W 2M



- EM25PW
- EM25SB
- EM25ES
- EM25IW

- univerzalni elektronički regulator osvjetljenja za uključivanje i isključivanje i regulaciju osvjetljenja svih zatamnjenih žarulja (klasična, halogena, LED, CFL, ...) i nekih vrsta nezatamnjenih
- automatska detekcija tipa tinjalice i prilagodba režima rada
- smanjenje potrošnje energije
- funkcija usporenog starta produžuje vijek trajanja tinjalice
- kontrola preko ugrađene mikrosklopke
- ugrađena funkcija memorije – pri gašenju memorira stupanj svjetlosti
- može se priključiti do pet (5) dodatnih kontrolnih jedinica EM26
- nije moguće kombiniranje s izmjeničnom sklopkom
- ugrađena zaštita od kratkog spoja, pregrijavanja i preopterećenja
- mrežni napon 230V~ 50Hz
- elegantno LED osvjetljenje, prilagodljiva boja i stupanj osvjetljenja
- moguća zamjena klasične sklopke u dvožičnom spoju<sup>(1)</sup>
- potpuna funkcionalnost postiže se u trožičnom spoju<sup>(2)</sup>
- sukladno normama EN 60669-1 i EN 60669-2-1
- vijčano pričvršćivanje vodiča presjeka 1,5 mm<sup>2</sup> (maks. moment zatezanja 0,4 Nm)



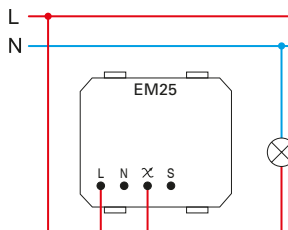
TOUCH EM25 je mikroprocesorski upravljani zatamnivač svjetla. Služi kao sklopka te zatamnivač za zatamnjive i neke vrste nezatamnjenih žarulja. Ugrađeni mikroprocesor automatski prepoznaje vrstu žarulje i prilagođava način rada. Pamti razinu zatamnivanja nakon isključivanja, zahvaljujući ugrađenoj memorijskoj funkciji. Funkcija polaganog paljenja produžava vijek trajanja žarulje. U tipku integrirana elegantna LED rasvjeta omogućava razne boje i razine intenziteta. Moguće je spojiti do 5 dodatnih upravljačkih sklopki EM26 („slave“).

TOUCH EM25 is microprocessor controlled electronic light dimmer. It serves as switch and dimmer for dimmable and some of no-dimmable lamps. Integrated microprocessor automatically identifies the type of lamp and adjusts the operating mode. It remembers the level of dimming after switching off due to integrated memory function. Soft-start function extends the lamp service life. In button integrated elegant LED illumination enables many different colors and intensity levels. Optionally one can connect of up to 5 additional control tasters EM26 („slave“).

SWITCH / DIMMER UNIVERSAL RLC 0-300W 2M

- universal electronic dimmer for ON/OFF switching and dimming of all dimmable lamps (classical, halogen, LED, CFL, ...) and some no-dimmable lamps
- automatic detection of lamp type and adjustment of operating mode
- reduction of energy consumption
- soft start function extends life of lamps
- controlled by build-in micro switches
- memory function included – memorizes brightness on turn-off
- up to five (5) additional control units EM26 can be connected
- connection with 2-way switch is not possible
- build-in short-circuit, overheating and overload protection
- supply voltage 230V~ 50Hz
- elegant LED illumination, adjustable colour and brightness
- replacement of classical switch is possible at two-wire connection<sup>(1)</sup>
- full functionality is achieved at three-wire connection<sup>(2)</sup>
- in accordance with EN 60669-1 and EN 60669-2-1
- screw contacts 1.5mm<sup>2</sup> (max. tightening torque 0.4Nm)

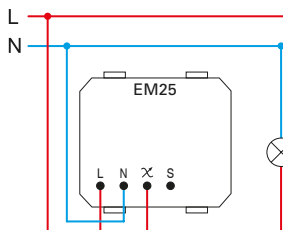
<sup>(1)</sup> dvožični spoj  
two-wire connection



- dvožičano spajanje omogućava zatamnivanje zatamnjenih žarulja

- two-wire connection allows dimming of dimmable lamps

<sup>(2)</sup> trožični spoj  
three-wire connection



- trožičano spajanje omogućava zatamnivanje zatamnjenih žarulja te nekih nezatamnjenih LED i CFL lampi

- three-wire connection allows dimming of dimmable lamps and some of no-dimmable LED and CFL lamps

	12	5	6	7
Min.	40 W	40 W	40 VA	40 VA
Max.	300 W	300 W	300 VA	100 VA
	(F)	(F)		

- 1 - žarulja sa žarnom niti / incandescent lamp
- 2 - halogena žarulja / halogen lamp

- 4 - elektronički transformator / electronic transformer
- 5 - klasični transformator / classical transformer

	12	4	6	7	8	9
Min.	0 W	0 W	0 VA	0 VA	0 VA	0 VA
Max.	300 W	300 W	120 VA	120 VA	120 VA	120 VA
	(F)	(F)			(F)	(F)

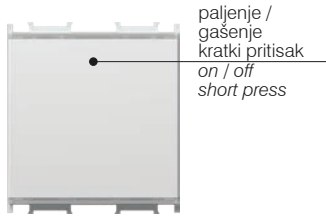
- 6 - štedna CFL tinjalica s regulacijom osvjetljenja / dimmable energy saving CFL lamp
- 7 - LED tinjalica s regulacijom osvjetljenja / dimmable LED lamp

- 8 - štedna CFL tinjalica bez regulacije osvjetljenja / no-dimmable energy saving CFL lamp
- 9 - LED tinjalica bez regulacije osvjetljenja / no-dimmable LED lamp

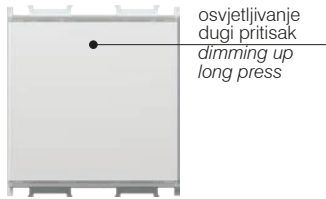
napomene / remarks

- (F) filter EM27
- preporučujemo korištenje EM27 filtra / it is recommended to use filter EM27
- sve spojene žarulje moraju biti jednake / all controlled lamps must be the same
- tablica opterećenja vrijedi za žarulje s faktorom PF>0,5 / table of loads is valid for lamps with power factor PF>0.5

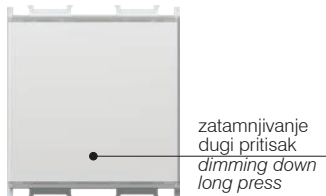
paljenje / gašenje te zatamnivanje žarulje /  
on / off swithcing and dimming of lamp



paljenje /  
gašenje  
kratki pritisak  
on / off  
short press



osvjetljivanje  
dugi pritisak  
dimming up  
long press

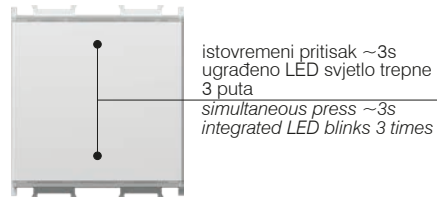


zatamnivanje  
dugi pritisak  
dimming down  
long press

odabir boje i podešavanje intenziteta LED osvjetljenja /  
LED colour selection and intensity level adjustment



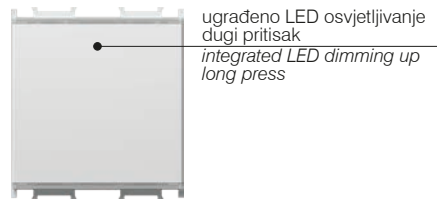
isključivanje osvjetljenja  
kratki pritisak  
lamp off  
short press



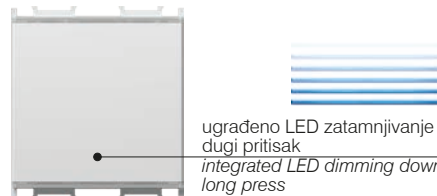
istovremeni pritisak ~3s  
ugrađeno LED svjetlo trepne  
3 puta  
simultaneous press ~3s  
integrated LED blinks 3 times



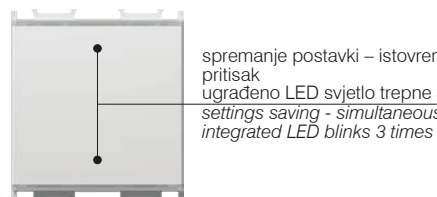
odabir boje  
kratki pritisak  
colour selection  
short press



ugrađeno LED osvjetljivanje  
dugi pritisak  
integrated LED dimming up  
long press



ugrađeno LED zatamnivanje  
dugi pritisak  
integrated LED dimming down  
long press

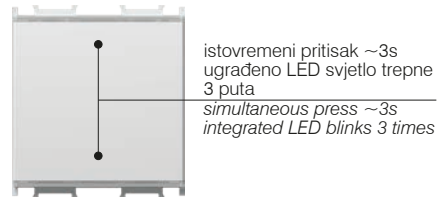


spremanje postavki – istovremeni kratki  
pritisak  
ugrađeno LED svjetlo trepne 3 puta  
settings saving - simultaneous short press  
integrated LED blinks 3 times

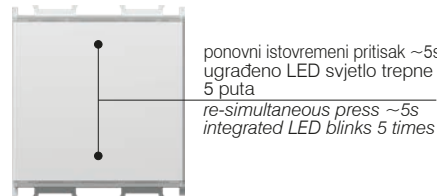
\*funkcija "RESET" /  
"RESET" function



isključivanje osvjetljenja  
kratki pritisak  
lamp off  
short press



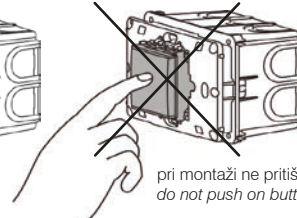
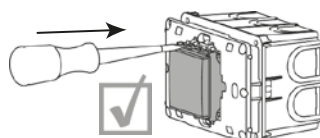
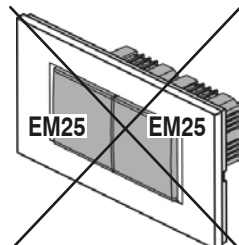
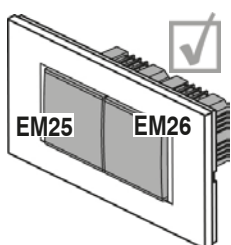
istovremeni pritisak ~3s  
ugrađeno LED svjetlo trepne  
3 puta  
simultaneous press ~3s  
integrated LED blinks 3 times



ponovni istovremeni pritisak ~5s  
ugrađeno LED svjetlo trepne  
5 puta  
re-simultaneous press ~5s  
integrated LED blinks 5 times

- \* - preporučuje se za ugradnju zatamnivača i pri zamjeni žarulje
- obavezno kod korištenja nezatamnjivih žarulja
- funkcija "RESET" nije dostupna kod korištenja dvožičanog spajanja
- moguće samo za EM25
- it is recommended at dimmer installation and lamp replacement
- mandatory when using no-dimmable lamps
- "RESET" function is not possible when using two-wire connection
- only possible on EM25

upozorenja za ugradnju /  
installation precautions



pri montaži ne pritišćite tipku /  
do not push on button during mounting



- EM26PW
- EM26SB
- EM26ES
- EM26IW

**UPRAVLJAČKA JEDINICA - TIPKALO 2M**

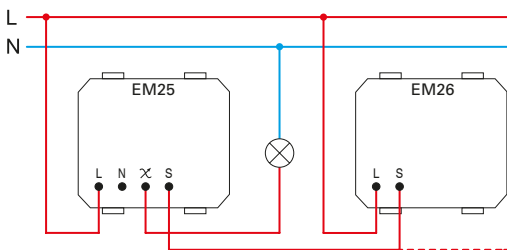
- priključena na univerzalni regulator osvjetljenja dopušta upravljanje tinjalicama s istom funkcionalnošću kao EM25
- mrežni napon 230V~ 50Hz
- sukladno normama EN 60669-1 i EN 60669-2-1
- vijčano pričvršćivanje vodiča presjeka 1,5 mm<sup>2</sup> (maks. moment zatezanja 0,4 Nm)



**PUSH-BUTTON CONTROL UNIT 2M**

- connected to universal dimmer EM25 allows controlling of lamps with same functionality as EM25
- supply voltage 230V~ 50Hz
- in accordance with EN 60669-1 and EN 60669-2-1
- screw contacts 1.5mm<sup>2</sup> (max. tightening torque 0.4Nm)

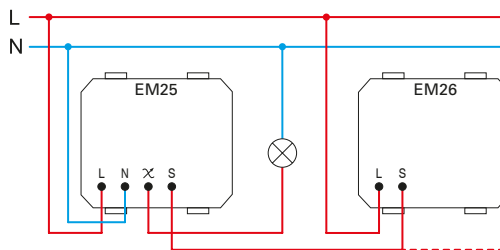
(1) dvožični spoj  
two-wire connection



- dvožičano spajanje omogućava zatamnivanje zatamnjivih žarulja
- kod dvožičnog spajanja korištenje svake dodatne upravljačke jedinice povećava minimalno opterećenje za 25W

- two-wire connection allows dimming of dimmable lamps
- in a two-wire connection each additional control unit increases the minimum load by 25W

(2) Trožični trožični spoj  
three-wire connection



- trožičano spajanje omogućava zatamnivanje zatamnjivih žarulja te nekih nezatamnjivih LED i CFL lampi

- three-wire connection allows dimming of dimmable lamps and some of non-dimmable LED and CFL lamps

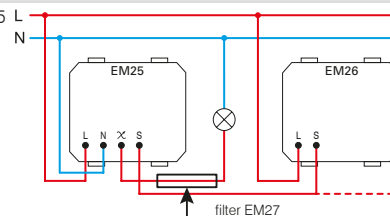
**FREKVENCIJSKI FILTAR**



EM27

- filtar frekvencijskih smetnji za EM25
- prikaz je simboličan

- FREQUENCY FILTER**
- frequency filter for EM25
  - image is symbolic



**SET SKLOPKA / REGULATOR OSVJETLJENJA UNIVERZALNI RLC 0-300W 2M PP OL20**



EM25PPOL20

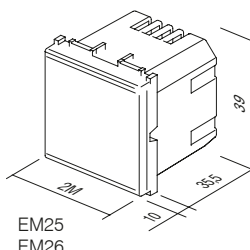
- set uključuje regulator osvjetljenja EM25, ugradbeni nosač 2M i okvir LINE 2M PW
- za tehničke detalje pogledajte EM25

**SET SWITCH | DIMMER UNIVERSAL RLC 0-300W 2M PP OL20**

- set includes dimmer EM25, mounting frame 2M and cover plate LINE 2M PW
- for technical details see EM25



2M = 45 x 45



EM25  
EM26



- EM31PW
- EM31SB
- EM31ES
- EM31IW

**IR SKLOPKA 5A 230V~ 1M**

- IR infracrvena sklopka
- napajanje: 230V~ ± 10% 50Hz
- relej: 5A / 250V~ izlaz za ograničeni strujni tok s velikim otporom za prolaz kroz ništicu („zero crossing“)
- zaštitna razina: IP40
- presjek žica na kontaktnom terminalu: 0,75 - 2,5 mm<sup>2</sup>
- kut prepoznavanja: do 110° pri 20 °C
- raspon prepoznavanja: približno 8m pri 20 °C
- prilagodljivost trajanja: od približno 5 s do 12 min
- prilagodljivost osvjjetljenja: od približno 5 do 200 LUX
- temperatura radnog okruženja: od 0 °C do +40 °C
- nije prikladan za ugradnju u kutije duboke 45 mm te podžbukne kutije CUBO IP20
- samo za unutrašnju uporabu



*IR SWITCH 5A 230V~ 1M*

- IR infrared switch
- supply voltage: 230V~ ± 10 % 50Hz
- relay: 5A / 250V~ output for limited current with high resistance for zero crossing
- protection rating: IP40
- cross-section of wires at the contact terminal: 0.75 - 2.5 mm<sup>2</sup>
- detection angle: up to 110° at 20°C
- detection area: approx. 8 m at 20°C
- adjustability of duration: from approx. 5 s to 12 min
- adjustability of brightness: from approx. 5 to 200 LUX
- operating temperature: from 0°C to +40°C
- not suitable for installation in 45 mm deep boxes and surface mount box CUBO IP20
- only for indoor usage



- EM32PW
- EM32SB
- EM32ES
- EM32IW

**IR SKLOPKA 5A 230V~ 2M**

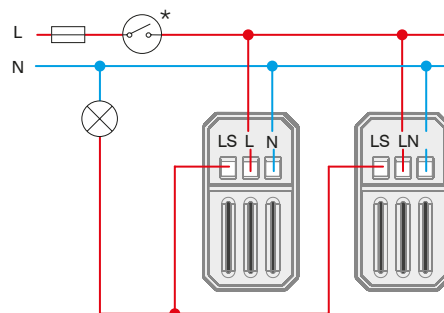
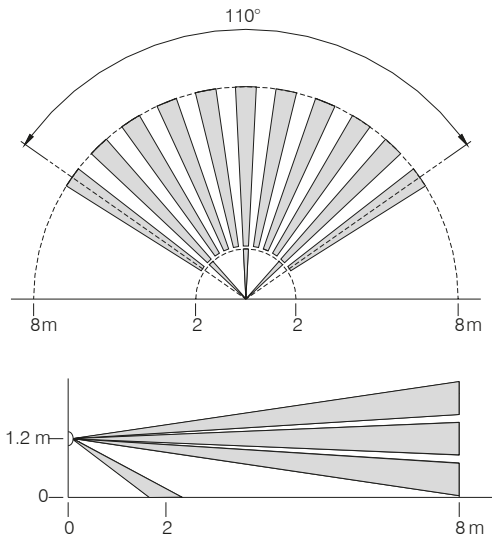
- IR infracrvena sklopka
- napajanje: 230V~ ± 10% 50Hz
- relej: 5A / 250V~ izlaz za ograničeni strujni tok s velikim otporom za prolaz kroz ništicu („zero crossing“)
- zaštitna razina: IP40
- presjek žica na kontaktnom terminalu: 0,75 - 2,5 mm<sup>2</sup>
- kut prepoznavanja: do 110° pri 20 °C
- raspon prepoznavanja: približno 8m pri 20 °C
- prilagodljivost trajanja: od približno 5 s do 12 min
- prilagodljivost osvjjetljenja: od približno 5 do 200 LUX
- temperatura radnog okruženja: od 0 °C do +40 °C
- nije prikladan za ugradnju u kutije duboke 45mm te podžbukne kutije CUBO IP20
- samo za unutrašnju uporabu



*IR SWITCH 5A 230V~ 2M*

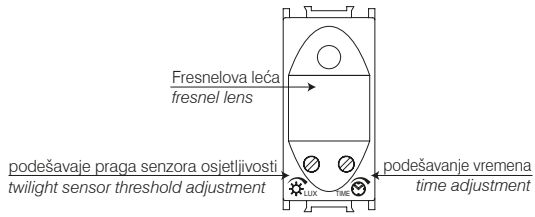
- IR infrared switch
- supply voltage: 230V~ ± 10 % 50Hz
- relay: 5A / 250V~ output for limited current with high resistance for zero crossing
- protection rating: IP40
- cross-section of wires at the contact terminal: 0.75 - 2.5 mm<sup>2</sup>
- detection angle: up to 110° at 20°C
- detection area: approx. 8 m at 20°C
- adjustability of duration: from approx. 5 s to 12 min
- adjustability of brightness: from approx. 5 to 200 LUX
- operating temperature: from 0°C to +40°C
- not suitable for installation in 45 mm deep boxes and surface mount box CUBO IP20
- only for indoor usage

mogućnost raspoznavanja  
detection range





podešavanje vremena i osjetljivosti /  
time and twilight adjustment



	5 LUX	200 LUX
	~5 s	~12 min

	1	2	3	4	5	6	7	8
Min.	1 W	1 W		1 VA	1 W	1 W	1 VA	1 VA
Max.	800 W	800 W	5A	6x20 VA	6x36 W	4x36 W (20µF)	6x23 VA	6x20 VA

1 - žarulja sa žarnom niti /  
incandescent lamp

2 - halogena žarulja /  
halogen lamp

3 - otporan grijaći element /  
resistive heating element

4 - elektronički transformator /  
electronic transformer

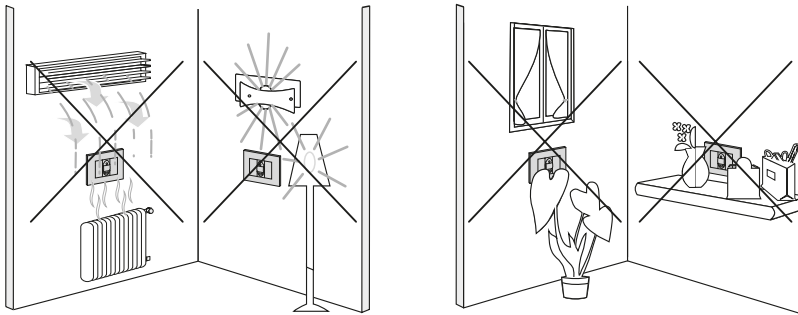
5 - fluorescentna cijev (izvedba 1) /  
fluorescent tube (version 1)

6 - fluorescentna cijev (izvedba 2) /  
fluorescent tube (version 2)

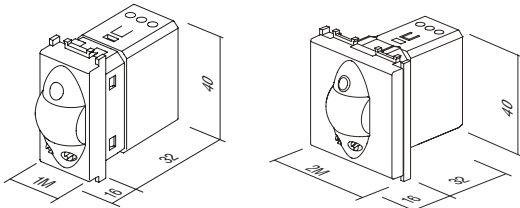
7 - štedna CFL žarulja /  
energy saving CFL lamp

8 - LED žarulja /  
LED lamp

upozorenja /  
attention



1M = 22,5 x 45





- EM37PW
- EM37SB
- EM37ES
- EM37IW

**TERMOSTAT OSNOVNI 6A 230V~ 2M**

- elektronički termostat, osnovni
- način rada: grijanje / hlađenje / isključeno
- napajanje: 230 VAC, 50 Hz
- izlaz: 6(2) A, 230 VAC, relejna sklopka
- raspon regulacije: +10 °C do +30 °C
- histereza: ±0.5 °C, ED = 20min
- zaštita protiv smrzavanja (način grijanja): +6 °C
- zaštita protiv pregrijavanja (način hlađenja): +32 °C
- funkcija ECO za snižavanje temperature za 3 °C za 6 sati u načinu grijanja te povećanja temperature za 3 °C za 6 sati u načinu hlađenja
- prilagođena ECO funkcija, svaki dan automatski u isto vrijeme snižava temperaturu za 3 °C unutar 6 sati u načinu grijanja te povećava temperaturu za 3 °C unutar 6 sati u načinu hlađenja
- mogućnost uključivanja ECO funkcije vanjskim okidačem putem odvojenog unosa, LED indikator načina rada
- nije prikladan za električno podno grijanje
- vijčano pričvršćivanje vodiča presjeka maks. 2.5 mm<sup>2</sup>
- sukladno s LV Direktivom, EMC Direktivom, standardima EN60730-1 te EN60730-2-9
- za pravilno korištenje preporučujemo instaliranje u zasebnu kutiju, odvojenu od uređaja koji stvaraju toplinu
- temperatura korištenja: 5 ÷ 35 °C
- temperatura skladištenja: -20 ÷ 50 °C

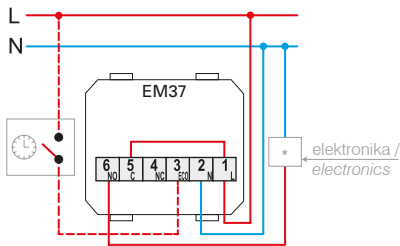


Termostat je namijenjen reguliranju temperature u prostoru. Termostat omogućava dva načina rada – grijanje ili hlađenje. Ugrađene su i sigurnosne funkcije protiv smrzavanja (način grijanja) te protiv pregrijavanja (način hlađenja). Način rada se označava preko LED osvjjetljenja. Postavke termostata unose se pomoću okretnog mehanizma za postavljanje temperature te s drugim kapacitivnim dodirnim tipkama.

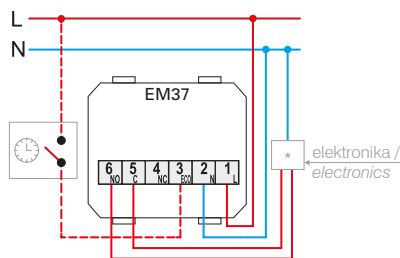
*The thermostat is intended for regulating temperature in a room. A thermostat enables two modes of operation – heating or cooling. It has safety functions installed for protection against freezing (heating mode) and protection against overheating (cooling mode). The operation is indicated via LED lights. Thermostat setup is performed with the help of a rotary button for setting the temperature and with other capacitive touch buttons.*

**THERMOSTAT BASIC 6A 230 V ~ 2M**

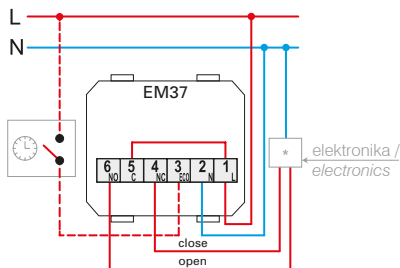
- electronic thermostat, basic
- operation mode: heating/cooling/turn off
- power supply: 230 VAC, 50 Hz
- output: 6(2) A, 230 VAC, relay switch
- regulation range: +10 °C to +30 °C
- hysteresis: ±0.5 °C, ED = 20min
- anti-freeze protection (heating mode): +6 °C
- overheating protection (cooling mode): +32 °C
- ECO function for lowering the temperature by 3 °C for 6 hours in the heating mode and raising temperature by 3 °C for 6 hours in the cooling mode
- adaptive ECO function, automatically every day at the same time lowers the temperature by 3 °C for 6 hours in the heating mode and raises temperature by 3 °C for 6 hours in the cooling mode
- option to turn on the ECO operating mode by external trigger via a separate input
- LED indication of operation
- not suitable for electrical floor heating
- screw contacts max. 2.5 mm<sup>2</sup>
- in accordance with the LV Directive, the EMC Directive, standards EN60730-1 and EN60730-2-9
- for correct operation, we recommend installing in an independent single box, separate from devices that generate heat
- operating temperature: 5 ÷ 35 °C
- storage temperature: -20 ÷ 50 °C



circulacijska crpka, plamenik (direktno spajanje)  
termoelektrični pogon /  
circulation pump, burner (direct connection)  
thermoelectric drive

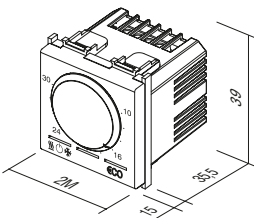


bojler, toplinska crpka, plamenik (upravljački unos T1/T2) /  
boiler, heat pump, burner (control input T1/T2)



motorni pogon (ograničena uporaba s podnim grijanjem) /  
motor drive (limited use with underfloor heating)

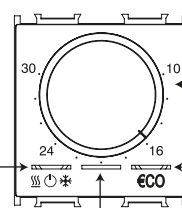
2M = 45 x 45



postavljanje načina rada i temperature /  
function and temperature adjustment

tipka za izbor načina rada i LED indikator stanja:  
crvena: grijanje  
plava: hlađenje  
ne svijetli: isključeno

function selection button and LED status indicator:  
red: heating  
blue: air conditioning  
no light: switched off



postavljanje temperature  
temperature setting

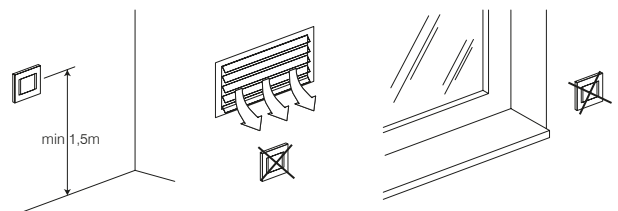
tipka za izbor "ECO" načina i LED indikator "ECO" načina  
zelena: ECO ušteda energije UKLJUČENA  
narančasta: aktiviran prilagođeni ECO način  
ne svijetli: dnevni način

"ECO" function selection button and LED "ECO" status indicator  
green: ECO energy saving ON  
orange: adaptive ECO mode activated  
no light: day mode

LED indikator stanja izlaznog releja  
bijela: relej uključen  
ne svijetli: relej isključen

LED output relay state indicator  
white: relay ON  
no light: relay OFF

upozorenja /  
attention





NM39

### NOSAČ S VIJCIMA ZA TERMOSTATE FANTINI COSMI 3M

- nosač s vijcima za termostate Fantini Cosmi 3M
- prikladan za korištenje s dnevnim termostatima Fantini Cosmi modela CH121 i CH123
- prikladan za korištenje s tjednim termostatima Fantini Cosmi modela CH141A i CH143A
- ugradnja u pravokutne kutije 3M
- prikladan za kombiniranje s okvirima PURE, Line, Soft



#### MOUNTING FRAME WITH SCREWS FOR FANTINI COSMI THERMOSTATS 3M

- mounting frame with screws for Fantini Cosmi thermostats 3M
- suitable for use with Fantini Cosmi daily thermostats models CH121 and CH123
- suitable for use with Fantini Cosmi weekly thermostats models CH141A and CH143A
- for mounting in rectangular boxes 3M
- suitable for assembling with cover plates PURE, Line, Soft



- EM40PW
- EM40SB
- EM40ES
- EM40IW

### ŠTEDNA KARTIČNA SKLOPKA 3A 250V~ 3M

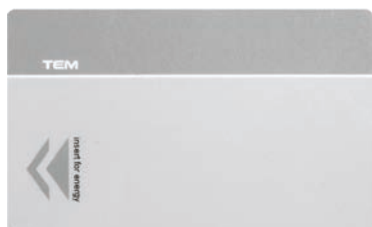
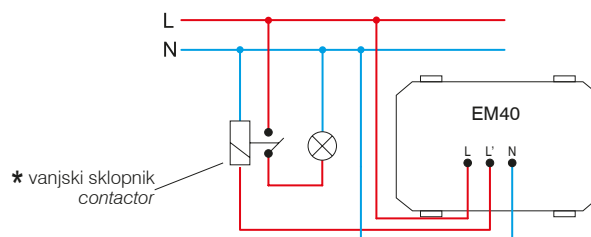
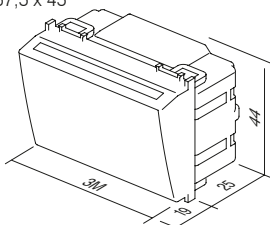
- osnovna kartična sklopka, za bilo koju ISO karticu
- mrežni napon 230V~ 50Hz
- izlaz: 3A 250V~ za sklopnik\*
- zadržka isklopa 15-20s
- sukladno normi EN 61000-6-1
- kartica nije priložena
- nije za kontrolu pristupa



#### ENERGY SAVER CARD SWITCH 3A 250V~ 3M

- card switch basic, any ISO card
- supply voltage 230V~ 50Hz
- output 3A 250V~ for switching contactor \*
- switch off delay 15-20s
- in accordance with EN 61000-6-1
- card is not included
- not for access control

3M = 67,5 x 45



EM47

### KARTICA ISO

- ISO kartica
- za uporabu s kartičnom sklopkom EM40
- veličina: 85x54 mm

#### CARD ISO

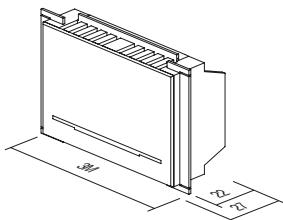
- ISO card
- for combination with card switch EM40
- size: 85x54 mm



EM44BK

**ŠTEDNA KARTIČNA SKLOPKA RF HF 13,56MHz 3M**

- kartična sklopka elektronska za RFID ISO karticu
- napajanje iz relejne jedinice EM49 putem kablovskih konektora RJ12
- izlaz treba biti spojen na relejni izlaz EM49
- 15-20s zadržka isklopa „glavnog napajanja” s povlačenjem kartice
- 1 min zadržka isklopa „HVAC” s povlačenjem kartice prilikom otvaranja balkonskih vrata ili prozora
- sukladno normi EN 61000-6-1
- kartica nije priložena
- nije za kontrolu pristupa



**ENERGY SAVER CARD SWITCH RF HF 13,56MHz 3M**

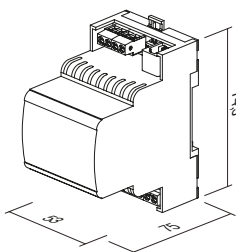
- electronic card switch for RFID ISO card
- supply from relay unit EM49 through cable connectors RJ12
- output to be connected to relay output unit EM49
- 15-20s "main power" switch off delay with card withdrawal
- 1 min "HVAC" switch off delay with card withdrawal when balcony doors or windows opened
- in accordance with EN 61000-6-1
- card is not included
- not for access control



EM49

**ŠTEDNA KONTROLNA JEDINICA 2x16A 250V~**

- relejna jedinica za kartične sklopke EM44
- mrežni napon 230V~ 50Hz
- sukladno normi EN 61000-6-1
- montaža na DIN tračnicu 35 mm, 4MU
- ulaz i izlaz ovisno o primjeni: jednokrevetna ili dvokrevetna soba



**ENERGY SAVER CONTROL UNIT 2x16A 250V~**

- relay unit for card switches EM44
- supply voltage 230V~ 50Hz
- in accordance with EN 61000-6-1
- mounting on DIN rail 35mm, 3MU
- input and output depending on implementation: single or double room

**RAZDVAJAČ SPL-1**



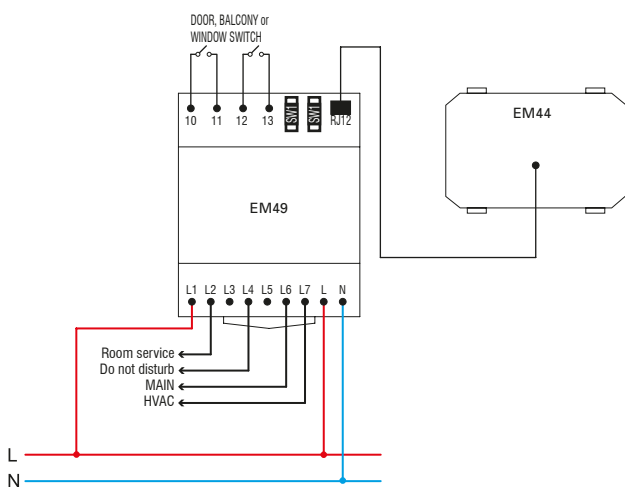
EM45

- koristi se za spajanje dva periferna modula EM44 s relejnom jedinicom EM49
- komunikacijski konektor RJ12
- veličina: 37 x 30 x 27 mm

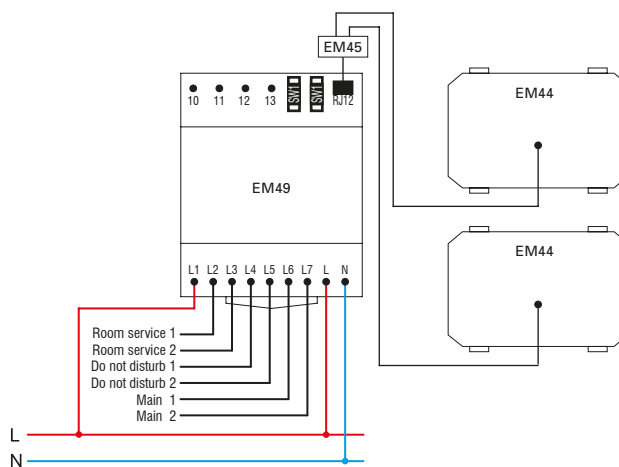
**SPLITTER SPL-1**

- used to connect two peripheral modules EM44 to relay unit EM49
- communication connector RJ12
- size: 37 x 30 x 27 mm

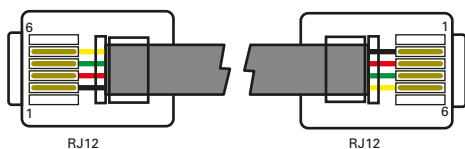
dijagram spajanja za primjenu u jednokrevetnoj sobi / wiring diagram for single room implementation



dijagram spajanja za primjenu u dvokrevetnoj sobi / wiring diagram for double room implementation



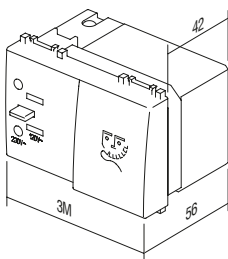
priključni kabel RJ12 između EM44 i EM49 / connection cable RJ12 between EM44 and EM49





- EM60PW
- EM60SB
- EM60ES
- EM60IW

3M = 67,5 x 45



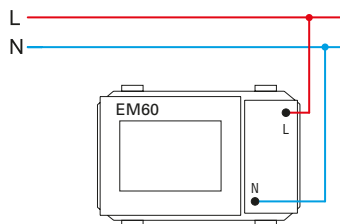
### UTIČNICA ZA BRIJAČI APARAT 230V~/120V~ 3M

- utičnica za brijači aparat s izolacijskim transformatorom 20VA
- napajanje: 230V~ 50-60Hz
- izlaz:
  - 230V~ za 2P 2,5A euro utikac ili
  - 120V~ za 2P 15A američki utikač
- razred II
- sukladno normi EN 61558-2-5



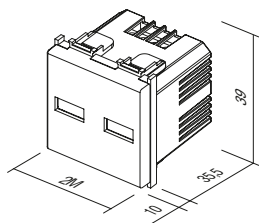
### SOCKET SHAVER 230V~/120V~ 3M

- shaver supply unit with isolating transformer 20VA
- supply: 230V~ 50-60Hz
- output:
  - 230V~ for 2P 2.5A Europlug or
  - 120V~ for 2P 15A American plug
- Class II
- in accordance with EN 61558-2-5



- EM65PW
- EM65SB
- EM65ES
- EM65IW

2M = 45 x 45



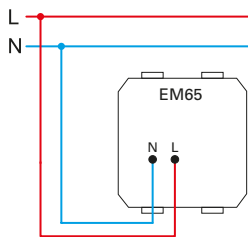
### USB PUNJAČ 5V 1A 2M

- za punjenje elektroničkih uređaja putem standardnog USB priključka (sukladno i s Apple uređajima)
- omogućava istovremeno punjenje dva uređaja
- napajanje: 230V~ 50Hz
- potrošnja pri mirovanju: 50 mW pri 230V~
- nazivni izlazni napon: 5 VDC (±5%) SELV
- njihanje (ripple) izlaznog napona: 150 mV
- nazivna izlazna snaga: 1A (1x 1.000mA ili 2 x 500mA) (±10%)
- učinkovitost: veća od 67%
- IP zaštitni razred: IP20, samo za unutrašnju uporabu
- vijčano pričvršćivanje vodiča presjeka maks. 2,5 mm<sup>2</sup>
- sukladno standardu EN 60950-1 te EMC direktivi
- kao dio instalacije potrebno je uzeti u obzir odgovarajući vanjski uređaj za isključivanje



### POWER SUPPLY UNIT USB 5V 1A 2M

- for charging of electronic devices via a standard USB port (also compatible with Apple devices)
- enables charging of two devices simultaneously
- power supply: 230V~ 50Hz
- stand-by power consumption: 50 mW at 230V~
- nominal output voltage: 5 VDC (±5%) SELV
- output ripple voltage: 150 mV
- nominal output current: 1 A (1 x 1.000 mA or 2 x 500 mA) (±10%)
- efficiency: greater than 67%
- IP protection class: IP20, indoor use only
- screw contacts: max. 2.5 mm<sup>2</sup>
- in accordance with EN 60950-1 and EMC directive
- an appropriate external disconnect device needs to be considered as part of installation



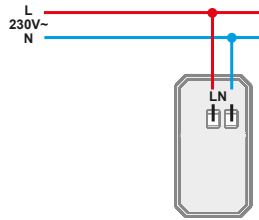
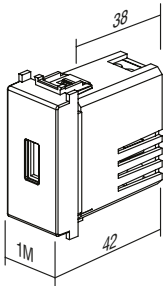




- EM66PW
- EM66SB
- EM66ES
- EM66IW

**JEDINICA NAPA JANJA 5V 2,1A 1M**

- Za punjenje elektroničkih uređaja putem standardnog USB priključka (sukladno i s Apple uređajima)
- napajanje: 100 – 230 V~ 50/60 Hz
- potrošnja: 300 mA pri 100 V~/150 mA pri 230 V~
- potrošnja pri mirovanju: 30 mW pri 230 V~
- nazivni izlazni napon: 5 VDC (± 5 %) SELV
- njihanje (ripple) izlaznog napona: 150 mV
- nazivna izlazna snaga: 2,1 A (1x 2.100 mA) (± 10 %)
- učinkovitost: maks. 77 %
- radna temperatura: 0 °C/+ 45 °C (unutarnja uporaba)
- IP zaštitni razred: IP20, samo za unutarnju uporabu
- gurnosni razred uređaja II
- prenaponska kategorija (EN 62109): Klasa III
- vijčano pričvršćivanje vodica presjeka maks. 2,5 mm<sup>2</sup>
- uređaj s razmakom kontakta od najmanje 3 mm
- sukladno standardu EN 60950-1 te LVD i EMC direktivama



**USB POWER SUPPLY UNIT 5V 2,1A 1M**

- for charging of electronic devices via a standard USB port (also compatible with Apple devices)
- power supply: 100-230V~ 50/60Hz
- power consumption: 300mA at 100V~/150mA at 230V~
- standby power consumption: 30mW at 230V~
- nominal output voltage: 5 VCD (± 5%) SELV
- output ripple voltage: 150mV
- nominal output current: 2,1A (1 x 2.100mA) (± 10%)
- efficiency: maximum of 77%
- operating temperature: 0°C/+45°C (indoor use)
- IP protection class: IP20, indoor use only
- class device II
- overvoltage category (EN 62109): Class III
- screw contacts: max. 2.5 mm<sup>2</sup>
- device with a contact gap of at least 3mm
- in accordance with EN 60950-1 and LVD & EMC directives

**LED SVJETILKA ZA SLUČAJ NUŽDE 250V~ 0.9W, NiCd 3h 7M**



- EM55

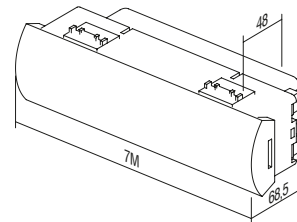
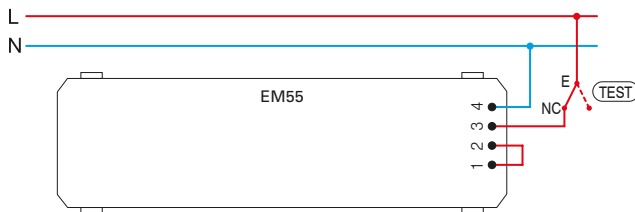
- LED svjetiljka za slučaj nužde
- mrežni napon 250V~ 50Hz 3xLED 0,3W LED, 10000mcd, 6500°K
- NiCd akumulator 400 mAh, zamjenjiv
- autonoman rad 3 h, punjenje 24 h
- razred II
- sukladno normama EN 60598-1, EN 60598-2-2, EN 60598-2-22



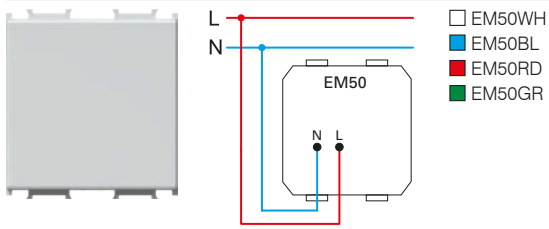
**LED EMERGENCY LIGHT 250V~ 0.90W, NiCd 3h 7M**

- emergency LED lamp
- supply voltage 250V~ 50Hz 3x LED 0,3W, 10000mcd, 6500°K
- NiCd accumulator 400 mAh, replaceable
- autonomy 3h, charging 24h
- Class II
- in accordance with EN 60598-1, EN 60598-2-2, EN 60598-2-22

7M = 151,5 x 45



**LED SVJETILJKA JEDNOBOJNA 250V~ 0,8W 2M**



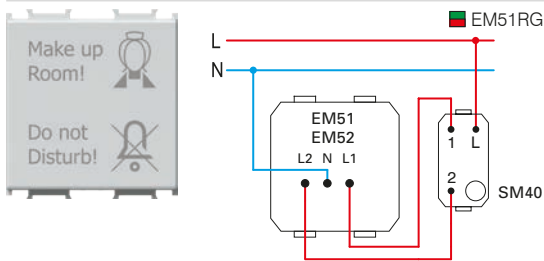
- LED svjetiljka za označavanje stepenica
- mrežni napon 230V~ 50Hz 0,8W, 6500°K
- razred II
- sukladno normi EN 60598-1
- opcionalna uporaba za osvijetljavanje pravca ili signaliziranje s laserskom gravurom na difuzeru prema želji korisnika

**LED LAMP MONOCOLOR 250V~ 0,8W 2M**

- step marker LED lamp
- supply voltage 230V~ 50Hz 0,8W, 6500°K
- Class II
- in accordance with EN 60598-1
- optional usage for directional or signal illumination with customized laser printing on diffuser



**LED SVJETILJKA DVOBOJNA 250V~ 2x0,4W 2M**



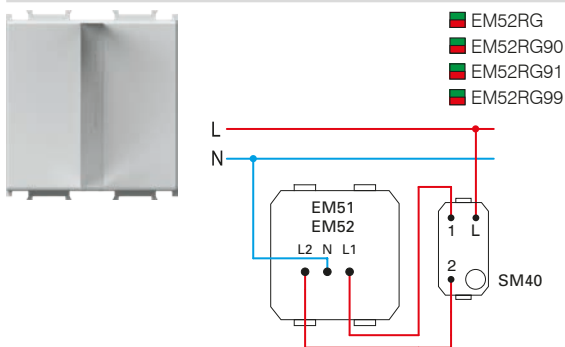
- LED svjetiljka s dvobojnom signalizacijom (crveno/zelenom)
- mrežni napon 230V~ 50Hz 2x0,4W, 6500°K
- razred II
- sukladno normi EN 60598-1
- difuzer obuhvaća i grafiku prema prikazu
- moguć laserski otisak na difuzeru prema želji korisnika

**LED LAMP DUAL COLOR 250V~ 2x0,4W 2M**

- signaling dual color (red/green) LED lamp
- supply voltage 230V~ 50Hz 2x0,4W, 6500°K
- Class II
- in accordance with EN 60598-1
- diffuser includes graphics as shown
- possible customized laser printing on diffuser



**LED SVJETILJKA 3D DVOBOJNA 250V~ 2x0,4W 2M**



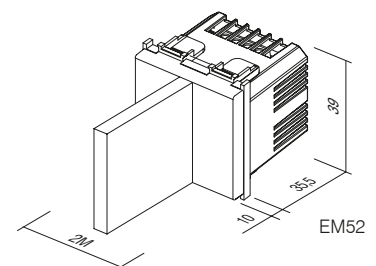
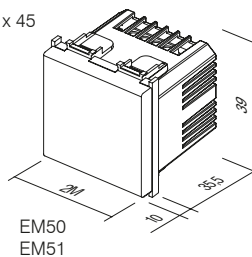
- LED dvobojna svjetiljka (crvena/zelena) s 3D simbolom, za označavanje
- mrežni napon 230V~ 50Hz 2x0,4W, 6500°K
- razred II
- sukladno normi EN 60598-1
- mogućnost otiska prilagođenih grafika po želji
- 90 muških simbola, 91 ženski simbol, 99 simbola na zahtjev

**LED LAMP 3D DUAL COLOR 250V~ 2x0,4W 2M**

- signalling LED lamp, dual color (red/green) with 3D symbol
- supply voltage 230V~ 50Hz 2x0,4W, 6500°K
- class II
- in accordance with EN 60598-1
- possible customized graphics on request
- 90 male symbol, 91 female symbol, 99 symbol on request



2M = 45 x 45



**SKLOPKA NA OTISAK PRSTA ARX ONE 2M**



- EM70PW
- EM70SB
- EM70ES
- EM70IW

- sklopka na otisak prsta s ugrađenom internom relejnom jedinicom
- za otključavanje električnih brava
- kapacitet 1000 otisaka prstiju
- jednostavno programiranje s dvjema tipkama
- toplinski biometrijski senzor
- napajanje 110-230V~ 50-60Hz preko interne relejne jedinice
- izlazni relej 2x3A 12V DC
- 256-bitna enkriptirana veza između sklopke i interne relejne jedinice
- sukladno normi EN 61000-6-1

**FINGERPRINT SWITCH ARX ONE 2M**

- fingerprint switch with included internal relay unit
- for unlocking electrical locks
- capacity 1000 fingerprints
- easy programming with two buttons
- thermal biometric sensor
- internal relay unit supply 110-230V~ 50-60Hz
- output relay 2x3A 12V DC
- 256-bit encrypted link between switch and internal relay unit
- in accordance with EN 61000-6-1



**REGISTRACIJA OVLAŠTENE OSOBE**

1. Prva tri otiska prsta pri registraciji dobivaju upravljačka prava.
2. Postupak registracije ovlaštene osobe isti je kao kod registracije korisnika bez drugog koraka.

**ADMINISTRATOR ENROLMENT**

1. The first three fingerprints enrolled are assigned administrative rights.
2. Administrator enrolment procedure is same as user enrolment without second step.

**REGISTRACIJA KORISNIKA**

1. Lijevu tipku na vanjskoj jedinici pritisnuti u trajanju od 3 sekunde. Narančasto LED svjetlo trepti sporom brzinom.
2. Ovlaštena osoba treba jedanput lupnuti prstom po senzoru. Nakon što je identificirana, narančasto LED svjetlo početi će brzo bljeskati.
3. Pritisnuti lijevu tipku. Zeleno LED svjetlo daje potvrdu.
4. Narančasto i zeleno svjetlo bljeskati će naizmjenično. U tom trenutku korisnik mora četiri puta lupnuti prstom po senzoru. Svaki uspješan ulaz potvrđuje se zvučnim signalom.
5. Nakon što je korisnik propisno registriran, bljeskat će zeleno LED svjetlo, a zvonu će istovremeno proizvoditi zvuk.

**USER ENROLMENT**

1. The left button on the exterior unit is pressed for 3 seconds. The orange LED starts flashing slow.
2. An administrator swipes his finger over the sensor once. When he/she is identified, the orange LED will start flashing fast.
3. Press left button. The green LED confirms.
4. The orange and green LED will flash alternately. At this point the user swipes his/her finger over the sensor four times. Each successful entry is indicated by a buzz.
5. When the user is correctly enrolled, the green LED will flash and the buzzer will buzz at the same time.

**BRISANJE KORISNIKA**

1. Pritisnuti desnu tipku na vanjskoj jedinici u trajanju od 5 sekundi, nakon čega će početi sporo bljeskati narančasto LED svjetlo.
2. Ovlaštena osoba treba jedanput lupnuti prstom po senzoru. Nakon što je identificirana, bljeskat će zeleno LED svjetlo, a zvonu će istovremeno proizvoditi zvuk.
3. Crveno i zeleno LED svjetlo bljeskati će naizmjenično. Zatim će korisnik jedanput lupnuti prstom po senzoru. Kad je korisnik bude identificiran, bljeskat će zeleno LED svjetlo, a će se oglasiti zvučnim signalom. Korisnik je uspješno izbrisan iz sustava.

**DELETING A USER**

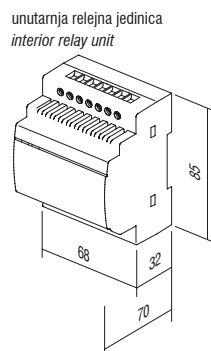
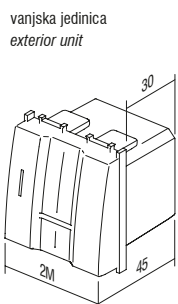
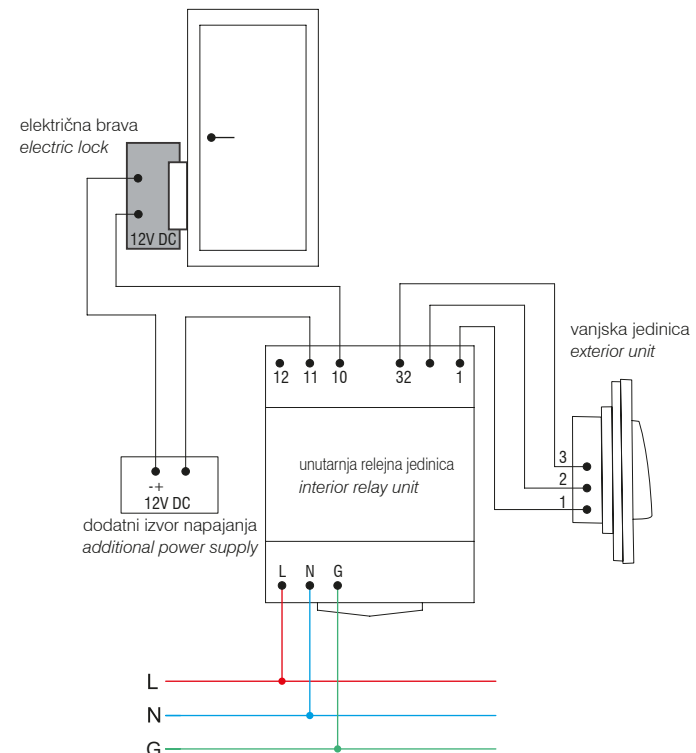
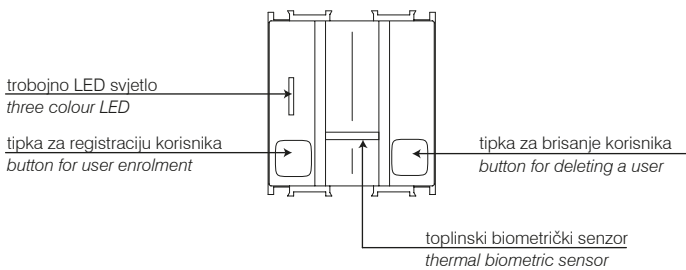
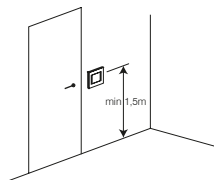
1. The right button on the exterior unit should be pressed for 5 seconds whereupon the orange LED will start flashing slow.
2. An administrator swipes his finger over the sensor once. When he/she is identified, the green LED will flash and the buzzer will buzz at the same time.
3. The red and green LED will flash alternately. Then the user swipes his finger over the sensor once. When the user is identified, the green LED flash and the buzzer will buzz once. The user has been successfully deleted from the system.

**BRISANJE SVIH OTISAKA PRSTIJU**

1. Pritisnite zajedno lijevu i desnu tipku na vanjskoj jedinici u trajanju od 10 sekundi, nakon čega će narančasto i crveno LED svjetlo bljeskati naizmjenično.
2. Ovlaštena osoba zatim lupnuti jedanput prstom. Identifikacija je potvrđena kada bljesne zeleno LED svjetlo, a zvonu istovremeno proizvodi zvuk. Narančasto i crveno LED svjetlo opet će naizmjenično bljeskati. Ovlaštena osoba ponavlja drugi korak.
4. Crveno i narančasto LED svjetlo bljeskat će, a zvonu će istovremeno pet puta proizvesti zvuk. Svi predložci otisaka prstiju bit će zatim izbrisani.

**DELETING ALL FINGERPRINTS**

1. Press the left and right button on the exterior unit together for a period of 10 seconds whereupon the orange and red LED will flash alternately.
2. The administrator then swipes his/her finger once. Identification is confirmed when the green LED flashes and the buzzer buzzes at the same time.
3. The orange and red LED will flash alternately again. The administrator repeats second step.
4. The red and orange LED will flash and the buzzer will buzz five times simultaneously. All fingerprint templates will then have been deleted.



**SKLOPKA, BSKONTAKTNA 10A 240V~**



EM80GW

- beskontaktna sklopka za uključivanje i isključivanje („glavna“)
- napajanje: 240 V~ 50 Hz
- izlazni relej 10A / 250V~ (2400W pri 240V~)
- prilagodljivi raspon od 2 do 10 cm
- namijenjeno za ugradnju u standardnu okruglu kutiju Ø60 mm
- neutralan kabel (N) je potreban za spajanje
- nije moguće kombiniranje polužnom sklopkom
- moguće je povezivanje s do 5 EM81 upravljačkih sklopki
- jednostavna ugradnja dekorativnih poklopaca uz pomoć magneta
- vijčano pričvršćivanje kabela do 2.5 mm<sup>2</sup> (maks. vijčani moment zatezanja 0.4 Nm)
- sukladno normama EN 60669-1 i EN 60669-2-1
- samo za unutrašnju uporabu



**SWITCH, TOUCHLESS 10A 240V~**

- touchless switch for turning on/off ("master")
- power supply: 240 V~ 50 Hz
- output relay 10A / 250V~ (2400W at 240V~)
- adjustable range from 2 to 10 cm
- intended for installation into a standard round Ø60 mm box
- a neutral lead (N) is required for connection
- connection with toggle switches is not possible
- connection with up to 5 EM81 control switches is possible
- simple installation of decorative covers with the help of magnets
- screw fastening of leads up to 2.5 mm<sup>2</sup> (max. screw tightening torque is 0.4 Nm)
- in accordance with EN 60669-1 and EN 60669-2-1
- only for indoor use

**SKLOPKA, BSKONTAKTNA, UPRAVLJAČKA JEDINICA**



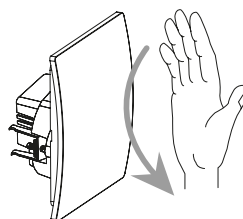
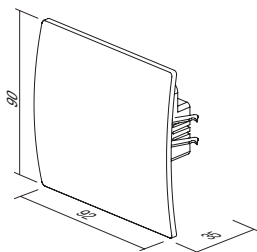
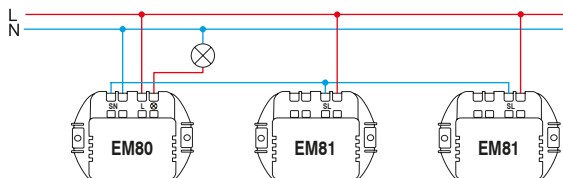
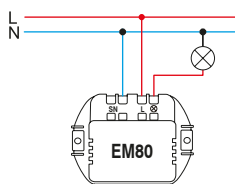
EM81GW

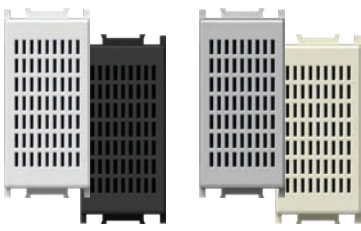
- upravljačka sklopka ("slave")
- radi samo kad je spojena sa sklopkom EM80 („glavna“)
- prilagodljivi raspon od 2 do 10 cm
- jednostavna ugradnja dekorativnih poklopaca uz pomoć magneta
- vijčano pričvršćivanje kabela do 2.5 mm<sup>2</sup> (maks. vijčani moment zatezanja 0.4 Nm)
- sukladno normama EN 60669-1 i EN 60669-2-1
- samo za unutrašnju uporabu



**SWITCH, TOUCHLESS, CONTROL UNIT**

- control switch ("slave")
- works only when connected with the EM80 switch ("master")
- adjustable range from 2 to 10 cm
- simple installation of decorative covers with the help of magnets
- screw fastening of leads up to 2.5 mm<sup>2</sup> (max. screw tightening torque is 0.4 Nm)
- in accordance with EN 60669-1 and EN 60669-2-1
- only for indoor use





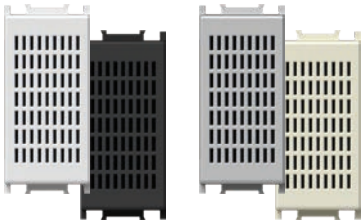
- EM90PW
- EM90SB
- EM90ES
- EM90IW

**ZVONO 8VA 230V~ 1M**

- signalno zvono
- emisija zvuka traje vremenski jednako kao i postupak posluživanja
- mrežni napon 230V~ 50Hz 8VA

**BUZZER 8VA 230V~1M**

- signal buzzer
- the sound emission has the same lasting time as the control operation
- supply voltage 230V~ 50Hz 8VA



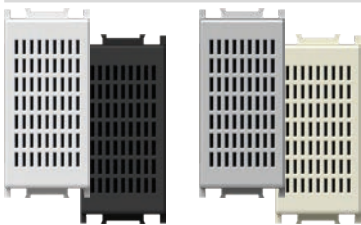
- EM91PW
- EM91SB
- EM91ES
- EM91IW

**ZVONO 8VA 12V~ 1M**

- signalno zvono
- emisija zvuka traje vremenski jednako kao i postupak posluživanja
- mrežni napon 12V~ 50Hz 8VA

**BUZZER 8VA 12V~1M**

- signal buzzer
- the sound emission has the same lasting time as the control operation
- supply voltage 12V~ 50Hz 8VA



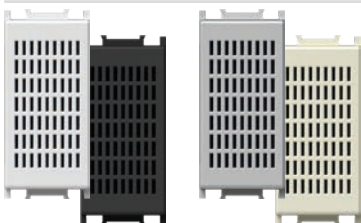
- EM92PW
- EM92SB
- EM92ES
- EM92IW

**ZVONO 8VA 230V~ 1M**

- signalno zvono
- emisija zvuka traje vremenski jednako kao i postupak posluživanja
- mrežni napon 230V~ 50Hz 8VA

**BELL 8VA 230V~1M**

- signal bell
- the sound emission has the same lasting time as the control operation
- supply voltage 230V~ 50Hz 8VA



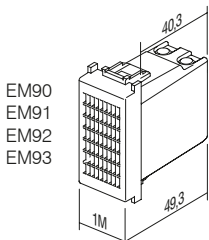
- EM93PW
- EM93SB
- EM93ES
- EM93IW

**ZVONO 8VA 12V~ 1M**

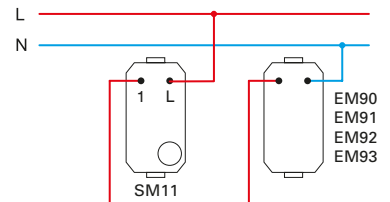
- signalno zvono
- emisija zvuka traje vremenski jednako kao i postupak posluživanja
- mrežni napon 12V~ 50Hz 8VA

**BELL 8VA 12V~1M**

- signal bell
- the sound emission has the same lasting time as the control operation
- supply voltage 12V~ 50Hz 8VA



EM90  
EM91  
EM92  
EM93



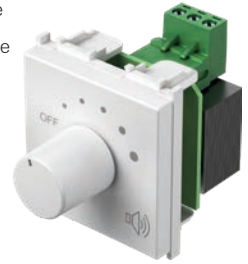




- EM95PW
- EM95SB
- EM95ES
- EM95IW

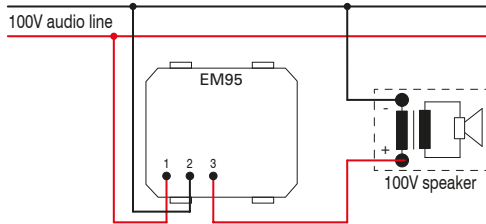
**REGULATOR GLASNOĆE ZA 100V AUDIO LINIJU 35W 2M**

- regulator glasnoće (atenuator) za 100V audio sustave
- nazivna snaga 35W (maks.45W), 6 razina glasnoće
- prikladan za ugradnju u kutije najmanje 60 mm dubine
- nije prikladan za ugradnju u kutije dubine 45 mm te podžbuknu ugradnju u kutije CUBO IP20
- samo za unutrašnju uporabu



**VOLUME CONTROL 100V AUDIO LINE 35W 2M**

- volume control (attenuator) for 100V audio systems
- power rating 35W (max.45W), 6 steps volume control
- suitable for boxes min. 60 mm deep
- not suitable for installation in 45 mm deep boxes and surface mount boxes CUBO IP20
- for indoor use only



- EM96PW
- EM96SB
- EM96ES
- EM96IW

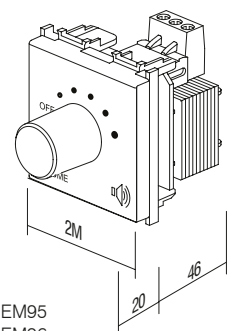
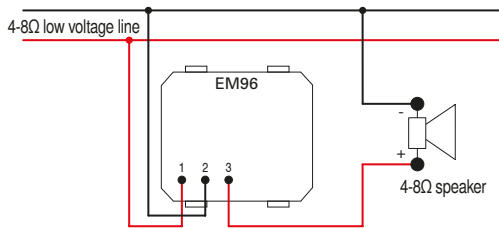
**REGULATOR GLASNOĆE 4-8 Ω 35W 2M**

- regulator glasnoće za niskonaponske izlaze 4-8 Ω, 35W
- nazivna snaga 35W, 6 razina glasnoće
- prikladan za ugradnju u kutije najmanje 60 mm dubine
- nije prikladan za ugradnju u kutije dubine 45 mm te podžbuknu ugradnju u kutije CUBO IP20
- samo za unutrašnju uporabu



**VOLUME CONTROL 4-8 Ω 35W 2M**

- volume control (attenuator) for low voltage outputs 4-8 Ω, 35W
- power rating 35W, 6 steps volume control
- suitable for boxes min. 60 mm deep
- not suitable for installation in 45 mm deep boxes and surface mount boxes CUBO IP20
- for indoor use only



EM95  
EM96

## S E T S C M



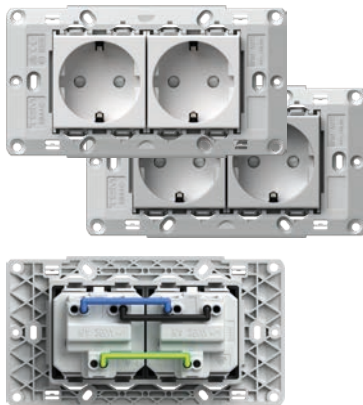
CM25

PW

OS

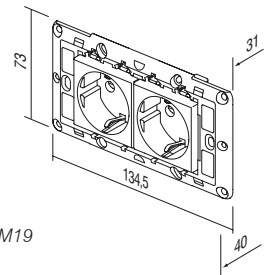
tip type	naziv description	tehnički podaci technical data	veličina size	boja colour	opcijski podaci 1 optional data 1
CM10	SET UTIČNICA 2X ŠUKO SOCKET SET 2x SCHUKO	2P+E 16A 250V~	4M	<input type="checkbox"/> PW bijela sjajna polar white	<input type="checkbox"/> OL okvir LINE cover plate LINE
CM11	SET UTIČNICA 3X ŠUKO SOCKET SET 3x SCHUKO	2P+E 16A 250V~	7M	<input checked="" type="checkbox"/> SB crna mat soft touch black	<input type="checkbox"/> OS okvir SOFT cover plate SOFT
CM15	SET SPOJNIH VODOVA LINK WIRE SET	3x1.5mm <sup>2</sup>	1M	<input type="checkbox"/> ES srebrna mat elox silver	
...	...	...	...	<input type="checkbox"/> IW bež sjajna ivory white	

## SET UTIČNICA 2x ŠUKO 2P+E 16A 250V~ 4M



- CM10PW
- CM10ES

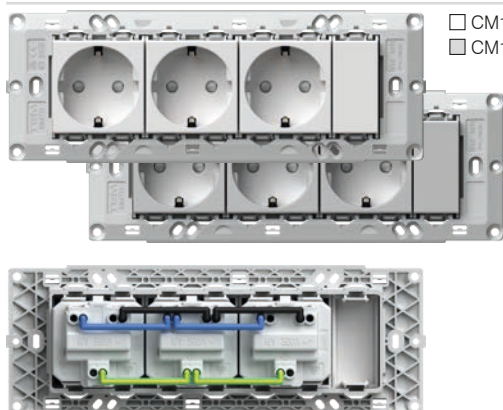
- set utičnica 2x šuko VM10 2P+E 16A 250V~
- utičnice povezane spojnim vodovima CM16
- s nosačem 4M bez vijaka
- za pričvršćivanje nosača vijci CM17, CM18 ili CM19
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- sukladno normi IEC 60884-1, CEE7



## SOCKETS SET 2x SCHUKO 2P+E 16A 250V~ 4M

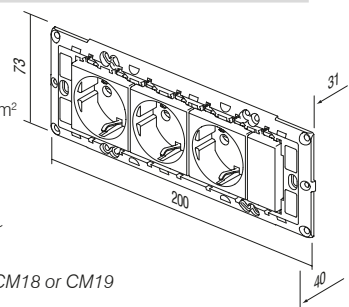
- socket set 2x schuko VM10 2P+E 16A 250V~
- prewired with link wires CM16
- with mounting frame 4M without screws
- for mounting frame fixing use screws CM17, CM18 or CM19
- screw contacts 1.5-2.5 mm<sup>2</sup>
- in accordance with IEC-60884-1, CEE7

## SET UTIČNICA 3x ŠUKO 2P+E 16A 250V~ 7M



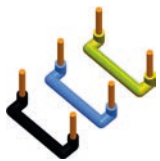
- CM11PW
- CM11ES

- set utičnica 3x šuko VM10 2P+E 16A 250V~
- utičnice povezane spojnim vodovima CM16
- s nosačem 7M bez vijaka
- za pričvršćivanje nosača vijci CM17, CM18 ili CM19
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- sukladno normi IEC 60884-1, CEE7



## SOCKETS SET 3x SCHUKO 2P+E 16A 250V~ 7M

- socket set 3x schuko VM10 2P+E 16A 250V~
- prewired with link wires CM16
- with mounting frame 7M without screws
- for mounting frame fixing use screws CM17, CM18 or CM19
- screw contacts 1.5-2.5 mm<sup>2</sup>
- in accordance with IEC-60884-1, CEE7



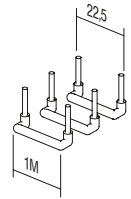
CM15

**SET SPOJNIH VODOVA 3x1,5mm<sup>2</sup> 1M**

- set spojnih vodova za povezivanje dvaju elemenata veličine 1M
- sadrži 10 crnih, 10 plavih i 10 žuto-zelenih spojnih vodova

**LINK WIRE SET 3x1,5mm<sup>2</sup> 1M**

- link wire set to connect two elements size 1M
- includes 10 black, 10 blue and 10 yellow/green wires



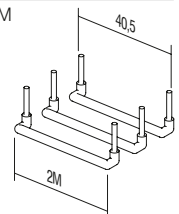
CM16

**SET SPOJNIH VODOVA 3x2,5mm<sup>2</sup> 1M**

- set spojnih vodova za povezivanje dvaju elemenata veličine 2M
- sadrži 10 crnih, 10 plavih i 10 žuto-zelenih spojnih vodova

**LINK WIRE SET 3x2,5mm<sup>2</sup> 2M**

- link wire set to connect two elements size 2M
- includes 10 black, 10 blue and 10 yellow/green wires



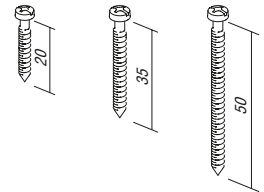
CM17  
CM18  
CM19

**SET VIJAKA 3,5**

- set vijaka za pričvršćivanje nosača NM30, NM32, NM40, NM41, NM70
- CM17 - l=20 mm, 100 kom.
- CM18 - l=35 mm, 50 kom.
- CM19 - l=50 mm, 50 kom.

**SCREW SET 3,5**

- screw set for fixing mounting frames NM30, NM32, NM40, NM41, NM70
- CM17 - l=20mm, 100pcs
- CM18 - l=35mm, 50pcs
- CM19 - l=50mm, 50pcs



CM22PW

**SET ZA SKLOPKE IP44 2M**

- za ugradnju u vlažne prostore
- IP44 zaštita za sve Modul sklopke
- sklopke i tipke nisu sastavni dio seta
- okvir SOFT 2M s natpisnom pločicom
- sukladno normi IEC 60669-1

**SET SWITCHES IP44 2M**

- for usage in humid areas
- IP44 protection provides for all Modul switches
- switches and buttons are not part of the set
- SOFT 2M cover plate with inscription plate
- in accordance with IEC 60669-1



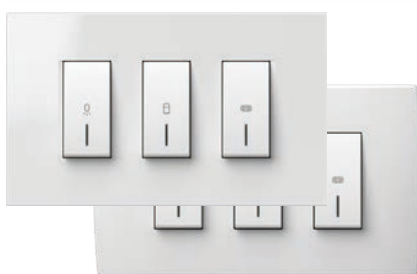
CM23PW

**SET ZA UTIČNICU IP44 2M**

- za ugradnju u vlažne prostore
- pruža IP44 zaštitu u kombinaciji s pokrivenom utičnicom (VM11, VM41)
- utičnice nisu sastavni dio seta
- okvir SOFT 2M s natpisnom pločicom
- sukladno normi IEC 60884-1

**SET SOCKETS IP44 2M**

- for usage in humid areas
- IP44 protection can be achieved only in combination with covered socket (VM11, VM41)
- sockets are not part of the set
- SOFT 2M cover plate with inscription plate
- in accordance with IEC 60884-1



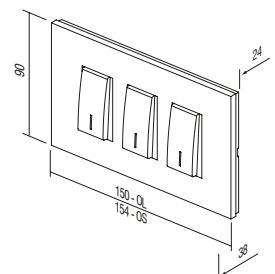
CM25PWOL  
 CM25IWOL  
  
 CM25PWOS  
 CM25IWOS

**KUPAONSKI SET 3x20A 250V~ 4M**

- set sklopki 3xSM12 20A 250V~ s nosačem i okvirom
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- sukladno normi EN 60669-1
- univerzalno rješenje za pričvršćivanje na već ugrađene kutije s razmakom pričvršćivanja od 108 do 135 mm ili na kutije veličine 4M
- visina okvira 90 mm

**SWITCH SET FOR BATHROOM 3x20A 250V~ 4M**

- switch set 3xSM12 20A 250V~ with mounting frame and cover plate
- screw contacts 1,5-2,5mm<sup>2</sup>
- in accordance with EN 60669-1
- universal solution for renovation on boxes with fixing dimensions 108-135mm or boxes 4M size
- cover plate height 90mm





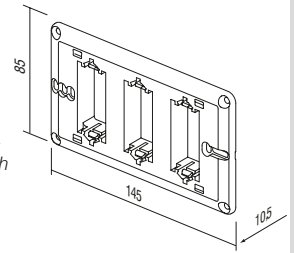
NM41

**NOSAČI ZA KUPAONSKI SET 4M**

- univerzalni nosač za kupaonski set s vijcima
- univerzalno rješenje za pričvršćivanje na pravokutne kutije s razmakom pričvršćivanja od 108 do 135 mm ili na kutije veličine 4M
- sukladno normi EN 60669-1

**MOUNTING FRAME BATHROOM SET 4M**

- universal mounting frame for bathroom set with screws
- universal solution for mounting on rectangular boxes with fixing dimensions 108-135mm or boxes 4M size
- in accordance with EN 60669-1



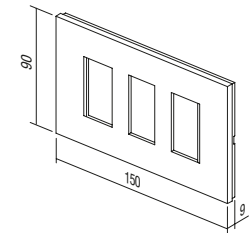
	OL41PW
	OL41NB
	OL41IW
	OL41ES
	OL41SG
	OL41IB
	OL41MG

**OKVIRI LINE ZA KUPAONSKI SET**

- dekorativni okvir LINE za kupaonski set
- visina 90 mm
- sukladno normi EN 60669-1

**COVER PLATE LINE BATHROOM SET**

- decorative cover plate bathroom set LINE
- height 90mm
- in accordance with EN 60669-1



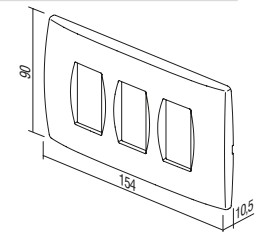
	OS41PW
	OS41NB
	OS41IW
	OS41ES
	OS41SG
	OS41SB
	OS41WE

**OKVIRI SOFT ZA KUPAONSKI SET**



- dekorativni okvir SOFT za kupaonski set
- visina 90 mm
- sukladno normi EN 60669-1

**COVER PLATE SOFT BATHROOM SET**

- decorative cover plate bathroom set SOFT
- height 90mm
- in accordance with EN 60669-1





tip type	naziv description	veličina size	boja colour	opcijski podaci 1 optional data 1
TM11	TIPKA BUTTON	1M	<input type="checkbox"/> AW antibakterijska bijela antibacterial white	 NT neutralna neutral
TM21	SLIJEPI ELEMENT BLANK	1M		 IN indikator indicator
VM10	UTIČNICA SOCKET	2M		
.	.	.		
.	.	.		

#### ANTIBAKTERIJSKI PROGRAM MODUL













- brojne osobe svakodnevno dotiču sklopke i utičnice koje su stoga mjesta razvoja i širenja bakterija
- zahvaljujući prirodnim antibakterijskim svojstvima, srebro se tri tisuće godina koristi kao sigurno dezinfekcijsko sredstvo, jer je potpuno prirodan i neškodljiv materijal te ne zagađuje okoliš
- posebni antibakterijski ioni srebra pružaju dugotrajnu, pouzdanu i učinkovitu zaštitu od razvoja i širenja bakterija, virusa, mikroba i gljivica
- antibakterijska zaštita osigurava kvalitetnu higijenu, čistoću i zdravlje ljudima
- savršeno prikladan za korištenje u okruženjima koja zahtijevaju stroge higijenske uvjete (bolnice, zdravstveni centri, farmaceutska postrojenja, domovi za starije i nemoćne, domovi umirovljenika, laboratoriji, restorani, hoteli, zračne luke, autobuse i željezničke postaje, poslovni i trgovački prostori, javne institucije...)
- neovisni laboratoriji obavili su testiranja sukladno najvišim japanskim standardima JIS Z 2801
- niski troškovi osiguravanja ljudskog zdravlja
- dizajn i funkcionalnost antibakterijskog programa MODUL omogućava jednostavno čišćenje i održavanje
- antibakterijske tipke, okviri i utičnice kombinirani su sa standardnim ugradbenim okvirima i sklopkama
- proizvodi su označeni sa stražnje strane kao AB (antibakterijska bijela)

#### ANTIBACTERIAL PROGRAM MODUL

- switches and sockets are daily touched by many people, so this is a common place for development and spread of bacteria
- thanks to its natural antibacterial characteristics silver has been used for three millennia as a safe and effective disinfectant, since it is completely natural, healthy and environmentally friendly
- special antibacterial silver ions additive provides long-term, reliable and effective protection against the development and spread of bacteria, viruses, microbes and fungi
- antibacterial protection ensures hygiene, cleanliness and health for people
- perfectly suitable for use in environments with strict hygiene conditions (hospitals, health centers, pharmaceutical facilities, homes for elderly, nursing homes, laboratories, restaurants, hotels, airports, bus and railway stations, business and shopping areas, public institutions ...)
- independent laboratory testings have been carried out in accordance with highest Japanese standards JIS Z 2801
- low cost for providing human health
- design and functionality of antibacterial program MODUL allow easy cleaning and maintenance
- antibacterial buttons, cover plates and sockets are combined with classic mounting frames and switches
- products are labelled on the back with AW (antibacterial white)



## A N T I B A C T E R I A L P R O G R A M M O D U L

	□ TM11AW	<b>TIPKA 1M</b> - zamjenjiva tipka 1M - sukladno normi EN 60669-1 - antibakterijska zaštita usklađena s JIS Z 2801	
	□ TM11AWIN	<b>TIPKA 1M INDIKATOR</b> - zamjenjiva tipka 1M - sukladno normi EN 60669-1 - antibakterijska zaštita usklađena s JIS Z 2801	
	□ TM12AW	<b>TIPKA 2M</b> - zamjenjiva tipka 2M s nosačem tipke - upotrebljava se pri nadogradnji sklopke ili tipkala od veličine 1M na veličinu 2M - sukladno normi EN 60669-1 - antibakterijska zaštita usklađena s JIS Z 2801	
	□ TM12AWIN	<b>TIPKA 2M INDIKATOR</b> - zamjenjiva tipka 2M s nosačem tipke - upotrebljava se pri nadogradnji sklopke ili tipkala od veličine 1M na veličinu 2M - sukladno normi EN 60669-1 - antibakterijska zaštita usklađena s JIS Z 2801	
	□ TM21AW	<b>SLIJEPI ELEMENT 1M</b> - slijepi element za popunjavanje praznog mjesta - sukladno normi EN 60669-1 - antibakterijska zaštita usklađena s JIS Z 2801	
	□ TM22AW	<b>SLIJEPI ELEMENT 2M</b> - slijepi element za popunjavanje praznog mjesta - sukladno normi EN 60669-1 - antibakterijska zaštita usklađena s JIS Z 2801	



□ VM10AW

**UTIČNICA ŠUKO+KS 2P+E 16A 250V~ 2M**

- 2P+E šuko
- 16A 250V~, tip VM10
- sukladno normama IEC 60884-1, CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta
- antibakterijska zaštita usklađena s JIS Z 2801

**SOCKET SCHUKO+KS 2P+E 16A 250V~ 2M**

- 2P+E schuko
- 16A 250V~, type VM10
- in accordance with IEC 60884-1, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts
- antibacterial protection in accordance with JIS Z 2801



□□ VM11AW

**UTIČNICA ŠUKO+KS +POKLOPAC 2P+E 16A 250V~ 2M**

- 2P+E šuko+poklopac
- 16A 250V~, tip VM11
- sukladno normama IEC 60884-1, CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta
- antibakterijska zaštita usklađena s JIS Z 2801

**SOCKET SCHUKO+KS+COVER**

- 2P+E schuko+cover
- 16A 250V~, type VM11
- in accordance with IEC 60884-1, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts
- antibacterial protection in accordance with JIS Z 2801



□ VM20AW

**UTIČNICA EURO+KS 2P 10A 250V~ 1M**

- 2P Euro
- 10A 250V~, tip VM20
- sukladno normama IEC 60884-1, CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta
- antibakterijska zaštita usklađena s JIS Z 2801

**SOCKET EURO+KS 2P 10A 250V~ 1M**

- 2P Euro
- 10A 250V~, type VM20
- in accordance with IEC 60884-1, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection - shuttered live contacts
- antibacterial protection in accordance with JIS Z 2801



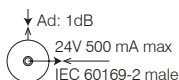
□ KM11AW

**UTIČNICA TV ZAVRŠNA 1dB 1M**

- TV završna
- propušta frekvenciju u rasponu 5÷2400 MHz
- prigušenje < 1 dB
- sukladno normi EN 50083-1
- vijčano pričvršćivanje
- antibakterijska zaštita usklađena s JIS Z 2801

**SOCKET TV END-LINE 1dB 1M**

- TV end-line
- frequency range 5÷2400 MHz
- reduction < 1 dB
- in accordance with EN 50083-1
- screw contacts
- antibacterial protection in accordance with JIS Z 2801



□ KM35AW

**ADAPTER KS 1M**

- KS keystone standard pričvršćivanja
- AMP, Avaya, Brandrex, FMT, Mfico, Tyco, ...
- nije ugraben komunikacijski modul
- antibakterijska zaštita usklađena s JIS Z 2801

**ADAPTER KS 1M**

- KS keystone fixing standard
- AMP, Avaya, Brandrex, FMT, Mfico, Tyco, ...
- communication module not included
- antibacterial protection in accordance with JIS Z 2801



## A N T I B A C T E R I A L P R O G R A M M O D U L



OS20AW

## OKVIR SOFT 2M

- dekorativni okvir SOFT 2M
- skladno normi EN 60669-1
- antibakterijska zaščita uskladenjena s JIS Z 2801

## COVER PLATE SOFT 2M

- decorative cover plate SOFT 2M
- in accordance with EN 60669-1
- antibacterial protection in accordance with JIS Z 2801



OS24AW

## OKVIR SOFT 2x2M

- dekorativni okvir SOFT 2x2M
- vodoravna ili okomita ugradnja
- skladno normi EN 60669-1
- antibakterijska zaščita uskladenjena s JIS Z 2801

## COVER PLATE SOFT 2x2M

- decorative cover plate SOFT 2x2M
- horizontal or vertical mounting
- in accordance with EN 60669-1
- antibacterial protection in accordance with JIS Z 2801



OS26AW

## OKVIR SOFT 3x2M

- dekorativni okvir SOFT 3x2M
- vodoravna ili okomita ugradnja
- skladno normi EN 60669-1
- antibakterijska zaščita uskladenjena s JIS Z 2801

## COVER PLATE SOFT 3x2M

- decorative cover plate SOFT 3x2M
- horizontal or vertical mounting
- in accordance with EN 60669-1
- antibacterial protection in accordance with JIS Z 2801



OS30AW

## OKVIR SOFT 3M

- dekorativni okvir SOFT 3M
- antibakterijska zaščita uskladenjena s JIS Z 2801
- skladno normi EN 60669-1

## COVER PLATE SOFT 3M

- decorative cover plate SOFT 3M
- in accordance with EN 60669-1
- antibacterial protection in accordance with JIS Z 2801



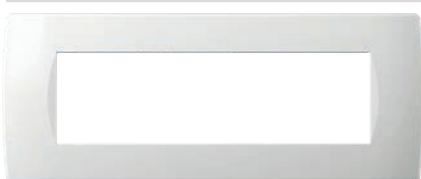
OS40AW

## OKVIR SOFT 4M

- dekorativni okvir SOFT 4M
- skladno normi EN 60669-1
- antibakterijska zaščita uskladenjena s JIS Z 2801

## COVER PLATE SOFT 4M

- decorative cover plate SOFT 4M
- in accordance with EN 60669-1
- antibacterial protection in accordance with JIS Z 2801



OS70AW

## OKVIR SOFT 7M

- dekorativni okvir SOFT 7M
- skladno normi EN 60669-1
- antibakterijska zaščita uskladenjena s JIS Z 2801

## COVER PLATE SOFT 7M

- decorative cover plate SOFT 7M
- in accordance with EN 60669-1
- antibacterial protection in accordance with JIS Z 2801

drvo  
wood

WB bambus  
bamboo



WW orah  
walnut



WM javor  
maple



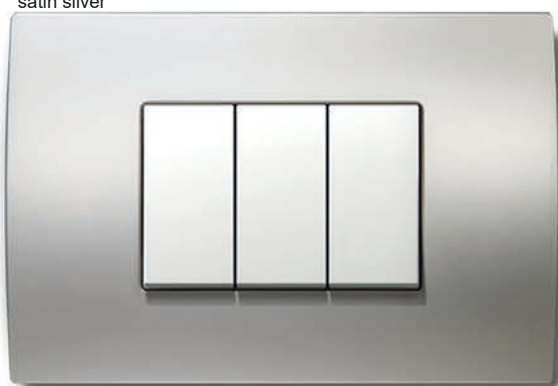
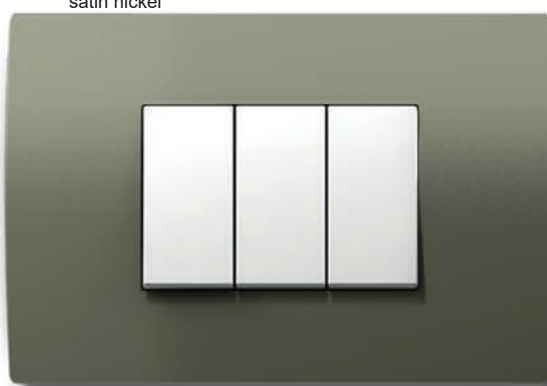
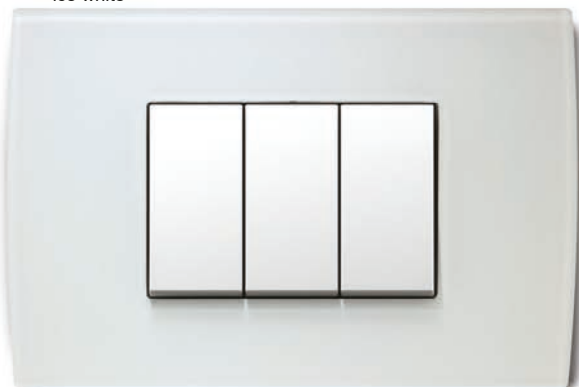
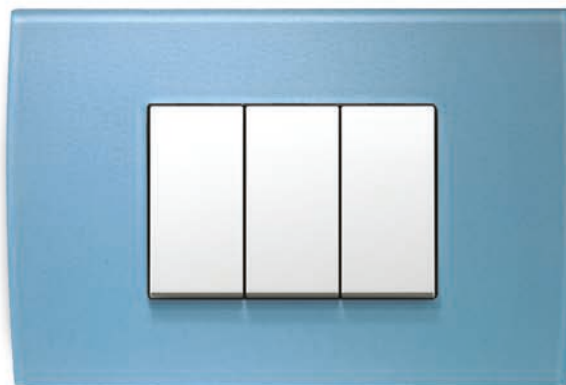
WE wenge  
wenge



**Priroda je jedinstvena i dragocjena, baš kao i naši okviri, među kojima ne postoje dva ista.**  
Reklamacije zbog različitosti izgleda i međusobne raznolikosti drvenih okvira ne uvažavamo.

**Nature is unique and precious, as our decorative cover plates where no two are the same.**  
*Complaints about wooden decorative cover plate's diverse appearance and differentiation cannot be considered.*

## COVER PLATES PURE OP

metal  
metalMH kovani čelik  
hammered steelME lijevano željezo  
etched ironMS satenski srebrna  
satin silverMN satenski poniklani  
satin nickelstaklo  
glassGW ledeno bijela  
ice whiteGG ledeno zelena  
ice greenGY ledeno siva  
ice greyGB ledeno plava  
ice blue





OP30

WB

tip type	naziv description	veličina size	boja colour	
OP13	OKVIR PURE COVER PLATE PURE	1/3M	MH kovani čelik hammered steel	WB bambus bamboo
OP20	OKVIR PURE COVER PLATE PURE	2M	ME lijevano željezo etched iron	WW orah walnut
OP23	OKVIR PURE COVER PLATE PURE	2/3M	MS satenski srebrna satin silver	WM javor maple
.	.	.	MN satenski poniklani satin nickel	WE wenge wenge
.	.	.		GW ledeno bijela ice white
.	.	.		GG ledeno zelena ice green
.	.	.		GY ledeno siva ice grey
.	.	.		GB ledeno plava ice blue



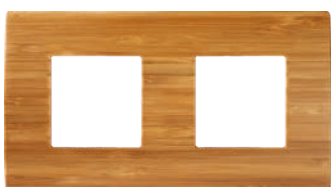
OP20MH	OP20WB
OP20ME	OP20WW
OP20MS	OP20WM
OP20MN	OP20WE
	OP20GW
	OP20GG
	OP20GY
	OP20GB

**OKVIR PURE 2M**

- dekorativni okvir PURE 2M
- sukladno normi EN 60669-1
- samo u kombinaciji s nosačem NM24 ili NM25

**COVER PLATE PURE 2M**

- decorative cover plate PURE 2M
- in accordance with EN 60669-1
- only in combination with mounting frame NM24 or NM25



OP24MH	OP24WB
OP24ME	OP24WW
OP24MS	OP24WM
OP24MN	OP24WE
	OP24GW
	OP24GG
	OP24GY
	OP24GB

**OKVIR PURE 2x2M**

- dekorativni okvir PURE 2x2M
- vodoravna ili okomita ugradnja
- sukladno normi EN 60669-1
- samo u kombinaciji s nosačem NM24 ili NM25

**COVER PLATE PURE 2x2M**

- decorative cover plate PURE 2x2M
- horizontal or vertical mounting
- in accordance with EN 60669-1
- only in combination with mounting frames NM24 or NM25



OP26MH	OP26WB
OP26ME	OP26WW
OP26MS	OP26WM
OP26MN	OP26WE
	OP26GW
	OP26GG
	OP26GY
	OP26GB

**OKVIR PURE 3x2M**













- dekorativni okvir PURE 3x2M
- vodoravna ili okomita ugradnja
- sukladno normi EN 60669-1
- samo u kombinaciji s nosačem NM24 ili NM25

**COVER PLATE PURE 3x2M**

- decorative cover plate PURE 3x2M
- horizontal or vertical mounting
- in accordance with EN 60669-1
- only in combination with mounting frames NM24 or NM25

## COVER PLATES PURE OP



 OP30MH	 OP30WB
 OP30ME	 OP30WW
 OP30MS	 OP30WM
 OP30MN	 OP30WE
	 OP30GW
	 OP30GG
	 OP30GY
	 OP30GB













## OKVIR PURE 3M

- dekorativni okvir PURE 3M  
- skladno normi EN 60669-1

## COVER PLATE PURE 3M

- decorative cover plate PURE 3M  
- in accordance with EN 60669-1



 OP40MH	 OP40WB
 OP40ME	 OP40WW
 OP40MS	 OP40WM
 OP40MN	 OP40WE
	 OP40GW
	 OP40GG
	 OP40GY
	 OP40GB

## OKVIR PURE 4M

- dekorativni okvir PURE 4M  
- skladno normi EN 60669-1

## COVER PLATE PURE 4M

- decorative cover plate PURE 4M  
- in accordance with EN 60669-1



 OP70MH	 OP70WB
 OP70ME	 OP70WW
 OP70MS	 OP70WM
 OP70MN	 OP70WE
	 OP70GW
	 OP70GG
	 OP70GY
	 OP70GB












## OKVIR PURE 7M

- dekorativni okvir PURE 7M  
- skladno normi EN 60669-1

## COVER PLATE PURE 7M

- decorative cover plate PURE 7M  
- in accordance with EN 60669-1



 OP13MH	 OP13WB
 OP13ME	 OP13WW
 OP13MS	 OP13WM
 OP13MN	 OP13WE
	 OP13GW
	 OP13GG
	 OP13GY
	 OP13GB













## OKVIR PURE 1/3M

- dekorativni okvir PURE 1/3M  
- skladno normi EN 60669-1

## COVER PLATE PURE 1/3M

- decorative cover plate PURE 1/3M  
- in accordance with EN 60669-1



 OP23MH	 OP23WB
 OP23ME	 OP23WW
 OP23MS	 OP23WM
 OP23MN	 OP23WE
	 OP23GW
	 OP23GG
	 OP23GY
	 OP23GB

## OKVIR PURE 2/3M

- dekorativni okvir PURE 2/3M  
- skladno normi EN 60669-1

## COVER PLATE PURE 2/3M

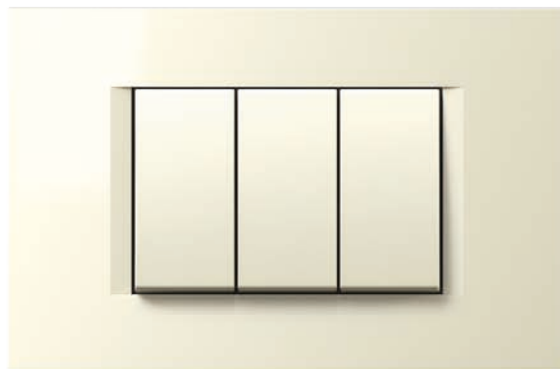
- decorative cover plate PURE 2/3M  
- in accordance with EN 60669-1

osnovni  
basic

PW bijela sjajna  
polar white



IW bež sjajna  
ivory white



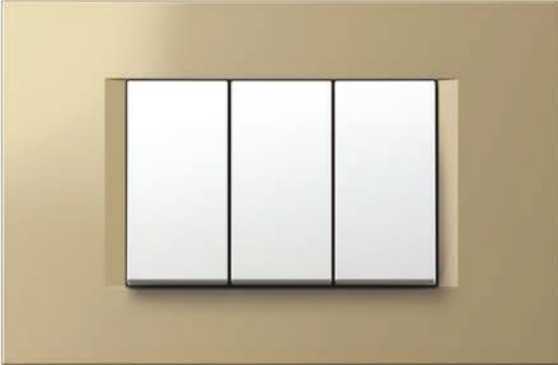
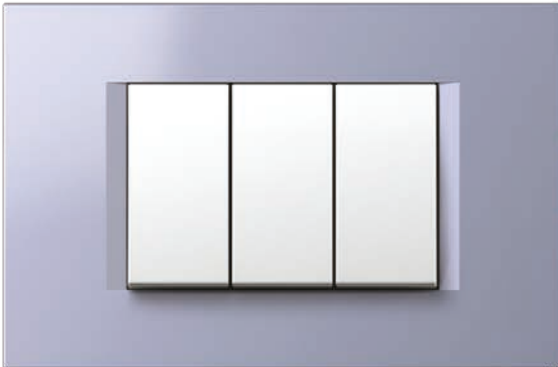
ES srebrna mat  
elox silver

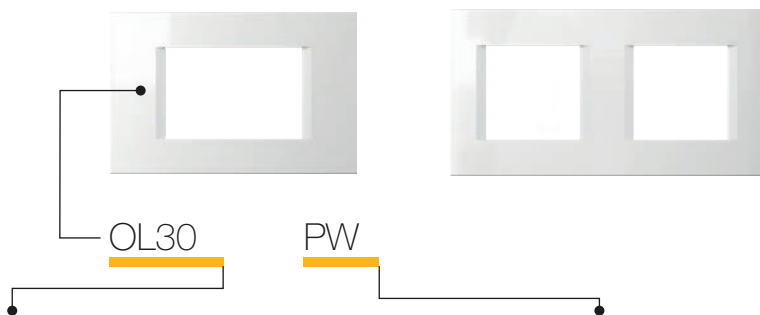


SB crna mat  
soft touch black



## COVER PLATES LINE OL

dekor  
decorSG zlatna mat  
sand goldNG crna sjajna  
night blackIB plava mat  
impulse blueMG zelena mat  
mint greenSE kamen smaragd  
stone emeraldSW kamen bijeli  
stone white



tip type	naziv description	veličina size	boja colour												
OL10	OKVIR LINE COVER PLATE LINE	1/2M	<table border="0"> <tr> <td></td> <td>PW bijela sjajna polar white</td> <td></td> <td>SG zlatna mat sand gold</td> <td></td> <td>SE kamen smaragd stone emerald</td> </tr> </table>		PW bijela sjajna polar white		SG zlatna mat sand gold		SE kamen smaragd stone emerald						
	PW bijela sjajna polar white		SG zlatna mat sand gold		SE kamen smaragd stone emerald										
OL13	OKVIR LINE COVER PLATE LINE	1/3M	<table border="0"> <tr> <td></td> <td>IW bež sjajna ivory white</td> <td></td> <td>NB crna sjajna night black</td> <td></td> <td>SW kamen bijeli stone white</td> </tr> </table>		IW bež sjajna ivory white		NB crna sjajna night black		SW kamen bijeli stone white						
	IW bež sjajna ivory white		NB crna sjajna night black		SW kamen bijeli stone white										
OL20	OKVIR LINE COVER PLATE LINE	2M	<table border="0"> <tr> <td></td> <td>ES srebrna mat elox silver</td> <td></td> <td>IB plava mat impulse blue</td> <td></td> <td></td> </tr> <tr> <td></td> <td>SB crna mat soft touch black</td> <td></td> <td>MG zelena mat mint green</td> <td></td> <td></td> </tr> </table>		ES srebrna mat elox silver		IB plava mat impulse blue				SB crna mat soft touch black		MG zelena mat mint green		
	ES srebrna mat elox silver		IB plava mat impulse blue												
	SB crna mat soft touch black		MG zelena mat mint green												



**OKVIR LINE 2M**



	OL20PW		OL20SG
	OL20IW		OL20NB
	OL20ES		OL20IB
	OL20SB		OL20MG
			OL20SE
			OL20SW

- dekorativni okvir LINE 2M  
- sukladno normi EN 60669-1

**COVER PLATE LINE 2M**

- decorative cover plate LINE 2M  
- in accordance with EN 60669-1

**OKVIR LINE 2x2M**



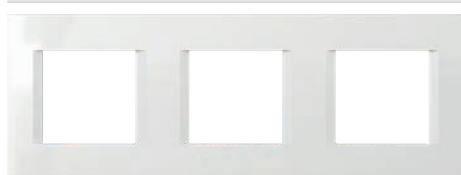
	OL24PW		OL24SG
	OL24IW		OL24NB
	OL24ES		OL24IB
	OL24SB		OL24MG
			OL24SE
			OL24SW

- dekorativni okvir LINE 2x2M  
- vodoravna ili okomita ugradnja  
- sukladno normi EN 60669-1

**COVER PLATE LINE 2x2M**

- decorative cover plate LINE 2x2M  
- horizontal or vertical mounting  
- in accordance with EN 60669-1

**OKVIR LINE 3x2M**



	OL26PW		OL26SG
	OL26IW		OL26NB
	OL26ES		OL26IB
	OL26SB		OL26MG
			OL26SE
			OL26SW

- dekorativni okvir LINE 3x2M  
- vodoravna ili okomita ugradnja  
- sukladno normi EN 60669-1

**COVER PLATE LINE 3x2M**

- decorative cover plate LINE 3x2M  
- horizontal or vertical mounting  
- in accordance with EN 60669-1

**OKVIR LINE 4x2M**



	OL28PW		OL28SG
	OL28IW		OL28NB
	OL28ES		OL28IB
	OL28SB		OL28MG
			OL28SE
			OL28SW

- dekorativni okvir LINE 4x2M  
- vodoravna ili okomita ugradnja  
- sukladno normi EN 60669-1








**COVER PLATE LINE 4x2M**

- decorative cover plate LINE 4x2M  
- horizontal or vertical mounting  
- in accordance with EN 60669-1



## COVER PLATES LINE OL



 OL30PW	 OL30SG
 OL30IW	 OL30NB
 OL30ES	 OL30IB
 OL30SB	 OL30MG
	 OL30SE
	 OL30SW










**OKVIR LINE 3M**

- dekorativni okvir LINE 3M  
- skladno normi EN 60669-1

**COVER PLATE LINE 3M**

- decorative cover plate LINE 3M  
- in accordance with EN 60669-1



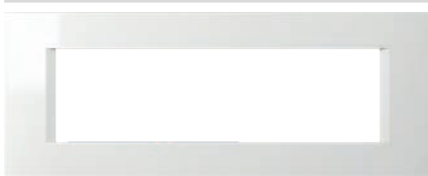
 OL40PW	 OL40SG
 OL40IW	 OL40NB
 OL40ES	 OL40IB
 OL40SB	 OL40MG
	 OL40SE
	 OL40SW











**OKVIR LINE 4M**

- dekorativni okvir LINE 4M  
- skladno normi EN 60669-1

**COVER PLATE LINE 4M**

- decorative cover plate LINE 4M  
- in accordance with EN 60669-1



 OL70PW	 OL70SG
 OL70IW	 OL70NB
 OL70ES	 OL70IB
 OL70SB	 OL70MG
	 OL70SE
	 OL70SW






**OKVIR LINE 7M**

- dekorativni okvir LINE 7M  
- skladno normi EN 60669-1

**COVER PLATE LINE 7M**

- decorative cover plate LINE 7M  
- in accordance with EN 60669-1



 OL10PW	 OL10SG
 OL10IW	 OL10NB
 OL10ES	 OL10IB
 OL10SB	 OL10MG
	 OL10SE
	 OL10SW







**OKVIR LINE 1/2M**

- dekorativni okvir LINE 1/2M  
- skladno normi EN 60669-1

**COVER PLATE LINE 1/2M**

- decorative cover plate LINE 1/2M  
- in accordance with EN 60669-1



 OL13PW	 OL13SG
 OL13IW	 OL13NB
 OL13ES	 OL13IB
 OL13SB	 OL13MG
	 OL13SE
	 OL13SW


**OKVIR LINE 1/3M**

- dekorativni okvir LINE 1/3M  
- skladno normi EN 60669-1

**COVER PLATE LINE 1/3M**

- decorative cover plate LINE 1/3M  
- in accordance with EN 60669-1



 OL23PW	 OL23SG
 OL23IW	 OL23NB
 OL23ES	 OL23IB
 OL23SB	 OL23MG
	 OL23SE
	 OL23SW

**OKVIR LINE 2/3M**

- dekorativni okvir LINE 2/3M  
- skladno normi EN 60669-1

**COVER PLATE LINE 2/3M**

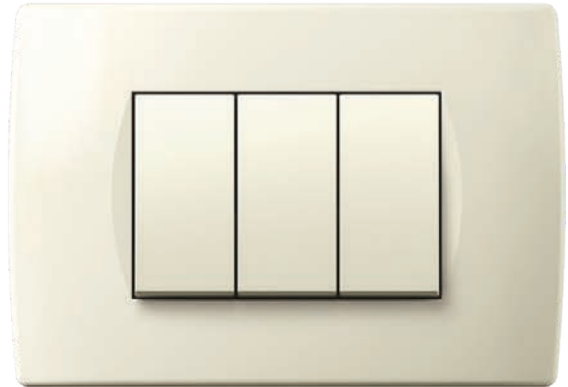
- decorative cover plate LINE 2/3M  
- in accordance with EN 60669-1

osnovni  
basic

PW bijela sjajna  
polar white



IW bež sjajna  
ivory white



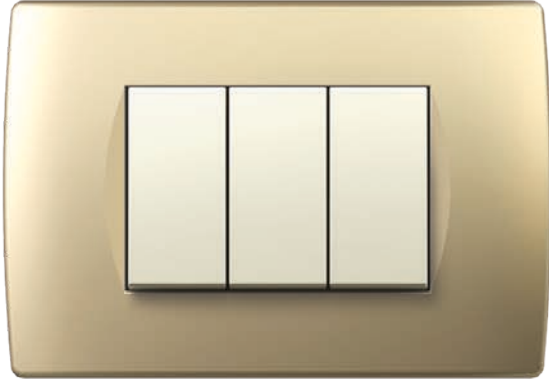
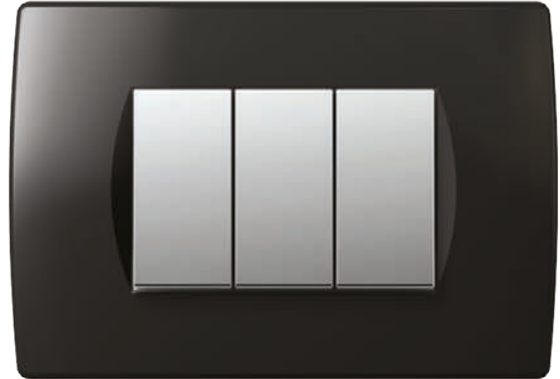
ES srebrna mat  
elox silver



SB crna mat  
soft touch black



## COVER PLATES SOFT OS

dekor  
decorSG zlatna mat  
sand goldNG crna sjajna  
night blackWP smreka  
spruceWW orah  
walnutWE wenge  
wenge



OS30

PW

tip type	naziv description	veličina size	boja colour																								
OS10	OKVIR SOFT COVER PLATE SOFT	1/2M	<table border="0"> <tr> <td></td> <td>PW bijela sjajna polar white</td> <td></td> <td>SG zlatna mat sand gold</td> <td></td> <td>WP smreka spruce</td> </tr> <tr> <td></td> <td>IW bež sjajna ivory white</td> <td></td> <td>NB crna sjajna night black</td> <td></td> <td>WW orah walnut</td> </tr> <tr> <td></td> <td>ES srebrna mat elox silver</td> <td></td> <td>WE wenge wenge</td> <td></td> <td></td> </tr> <tr> <td></td> <td>SB crna mat soft touch black</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		PW bijela sjajna polar white		SG zlatna mat sand gold		WP smreka spruce		IW bež sjajna ivory white		NB crna sjajna night black		WW orah walnut		ES srebrna mat elox silver		WE wenge wenge				SB crna mat soft touch black				
	PW bijela sjajna polar white		SG zlatna mat sand gold		WP smreka spruce																						
	IW bež sjajna ivory white		NB crna sjajna night black		WW orah walnut																						
	ES srebrna mat elox silver		WE wenge wenge																								
	SB crna mat soft touch black																										
OS13	OKVIR SOFT COVER PLATE SOFT	1/3M																									
OS20	OKVIR SOFT COVER PLATE SOFT	2M																									



	OS20PW		OS20SG
	OS20IW		OS20NB
	OS20ES		OS20WP
	OS20SB		OS20WW
			OS20WE

**OKVIR SOFT 2M**

- dekorativni okvir SOFT 2M
- sukladno normi EN 60669-1

**COVER PLATE SOFT 2M**

- decorative cover plate SOFT 2M
- in accordance with EN 60669-1



	OS24PW		OS24SG
	OS24IW		OS24NB
	OS24ES		OS24WP
	OS24SB		OS24WW
			OS24WE

**OKVIR SOFT 2x2M**

- dekorativni okvir SOFT 2x2M
- vodoravna ili okomita ugradnja
- sukladno normi EN 60669-1

**COVER PLATE SOFT 2x2M**

- decorative cover plate SOFT 2x2M
- horizontal or vertical mounting
- in accordance with EN 60669-1



	OS26PW		OS26SG
	OS26IW		OS26NB
	OS26ES		OS26WP
	OS26SB		OS26WW
			OS26WE

**OKVIR SOFT 3x2M**

- dekorativni okvir SOFT 3x2M
- vodoravna ili okomita ugradnja
- sukladno normi EN 60669-1

**COVER PLATE SOFT 3x2M**

- decorative cover plate SOFT 3x2M
- horizontal or vertical mounting
- in accordance with EN 60669-1



	OS28PW		OS28SG
	OS28IW		OS28NB
	OS28ES		OS28WP
	OS28SB		OS28WW
			OS28WE

**OKVIR SOFT 4x2M**







- dekorativni okvir SOFT 4x2M
- vodoravna ili okomita ugradnja
- sukladno normi EN 60669-1

**COVER PLATE SOFT 4x2M**

- decorative cover plate SOFT 4x2M
- horizontal or vertical mounting
- in accordance with EN 60669-1

## COVER PLATES SOFT OS



	OS30PW		OS30SG
	OS30IW		OS30NB
	OS30ES		OS30WP
	OS30SB		OS30WW
			OS30WE


**OKVIR SOFT 3M**

- dekorativni okvir SOFT 3M  
- sukladno normi EN 60669-1

**COVER PLATE SOFT 3M**

- decorative cover plate SOFT 3M  
- in accordance with EN 60669-1



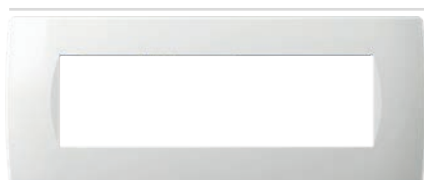
	OS40PW		OS40SG
	OS40IW		OS40NB
	OS40ES		OS40WP
	OS40SB		OS40WW
			OS40WE








**OKVIR SOFT 4M**

- dekorativni okvir SOFT 4M  
- sukladno normi EN 60669-1

**COVER PLATE SOFT 4M**

- decorative cover plate SOFT 4M  
- in accordance with EN 60669-1



	OS70PW		OS70SG
	OS70IW		OS70NB
	OS70ES		OS70WP
	OS70SB		OS70WW
			OS70WE





**OKVIR SOFT 7M**

- dekorativni okvir SOFT 7M  
- sukladno normi EN 60669-1

**COVER PLATE SOFT 7M**

- decorative cover plate SOFT 7M  
- in accordance with EN 60669-1



	OS72PW
	OS72IW
	OS72ES
	OS72SB

**OKVIR SOFT 2x7M**

- dekorativni okvir SOFT 2x7M s  
natpisnom pločicom  
- sukladno normi EN 60669-1

**COVER PLATE SOFT 2x7M**

- decorative cover plate SOFT 2x7M  
with inscription plate  
- in accordance with EN 60669-1



	OS10PW		OS10SG
	OS10IW		OS10NB
	OS10ES		OS10WP
	OS10SB		OS10WW
			OS10WE

**OKVIR SOFT 1/2M**

- dekorativni okvir SOFT 1/2M  
- sukladno normi EN 60669-1

**COVER PLATE SOFT 1/2M**

- decorative cover plate SOFT 1/2M  
- in accordance with EN 60669-1



	OS13PW		OS13SG
	OS13IW		OS13NB
	OS13ES		OS13WP
	OS13SB		OS13WW
			OS13WE










**OKVIR SOFT 1/3M**

- dekorativni okvir SOFT 1/3M  
- sukladno normi EN 60669-1

**COVER PLATE SOFT 1/3M**

- decorative cover plate SOFT 1/3M  
- in accordance with EN 60669-1



	OS23PW		OS23SG
	OS23IW		OS23NB
	OS23ES		OS23WP
	OS23SB		OS23WW
			OS23WE

**OKVIR SOFT 2/3M**

- dekorativni okvir SOFT 2/3M  
- sukladno normi EN 60669-1

**COVER PLATE SOFT 2/3M**

- decorative cover plate SOFT 2/3M  
- in accordance with EN 60669-1





#### LASERSKO GRAVIRANJE NA OKVIRIMA

- lasersko graviranje proizvoljne grafike
- izrada po narudžbi
- prikladno za okvire OL, OS

#### LASER PRINT ON COVER PLATES

- laser print of any graphics
- made on request
- suitable for cover plates OL, OS

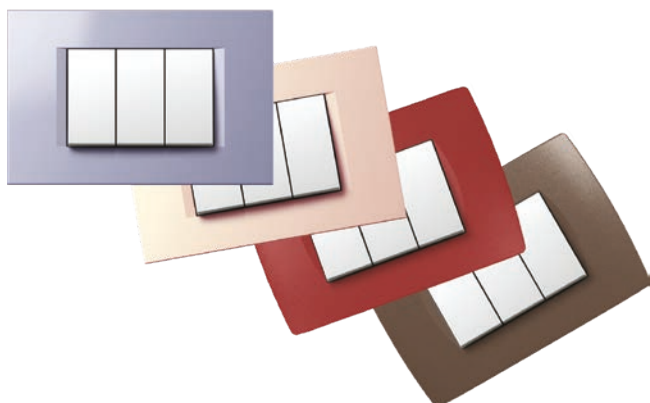


#### UKRAŠAVANJE OKVIRA



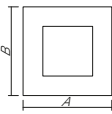
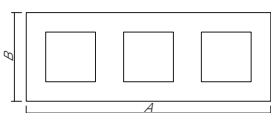

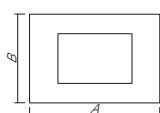
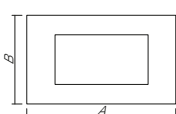
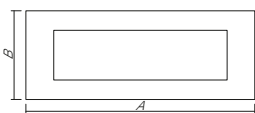

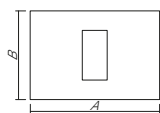
- tekstura i boje po želji kupca
- izrada po narudžbi
- prikladno za okvire OL, OS

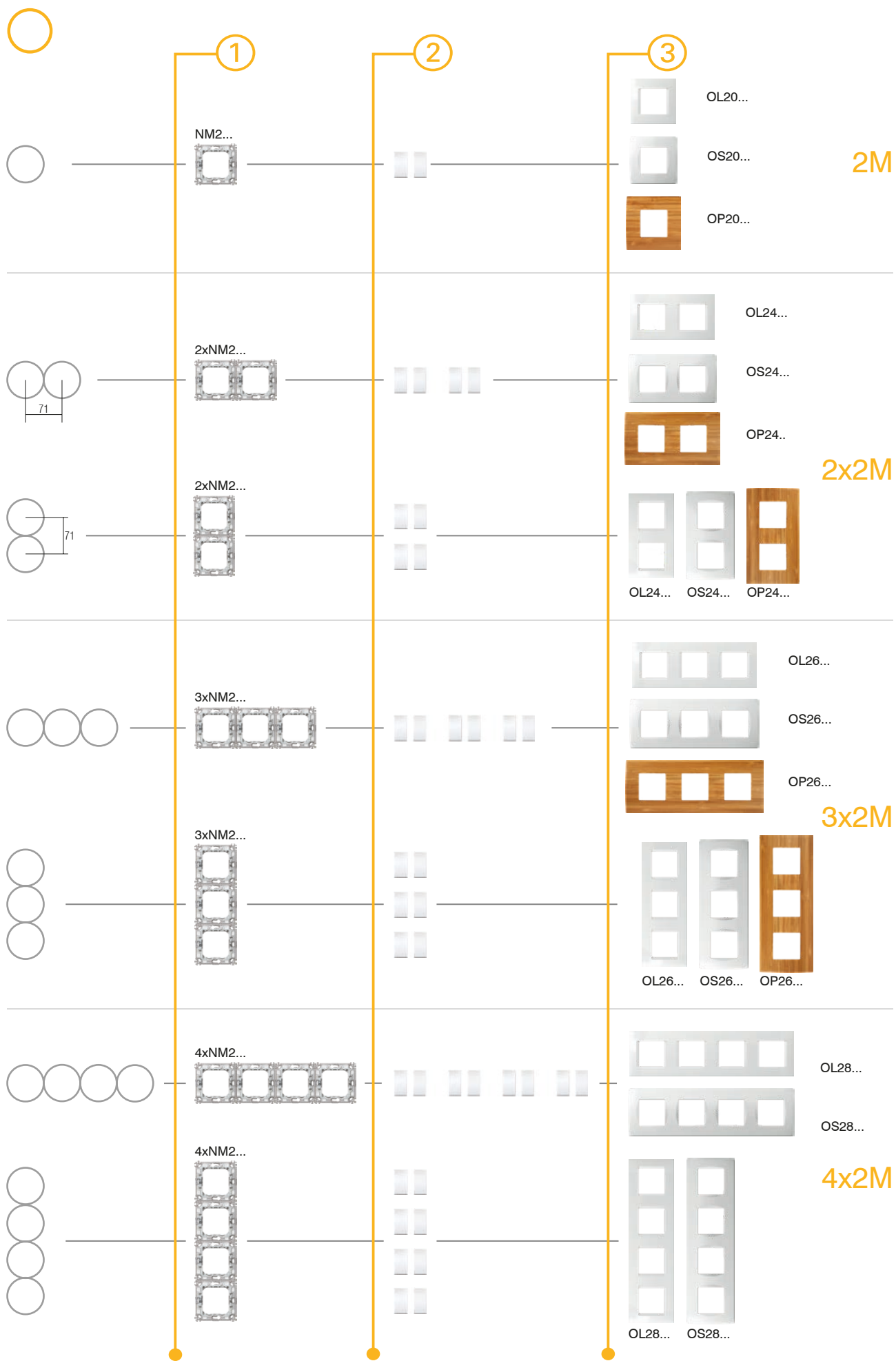
#### COVER PLATES DECORATIONS

- customised textures and colours
- made on request
- suitable for cover plates OL, OS

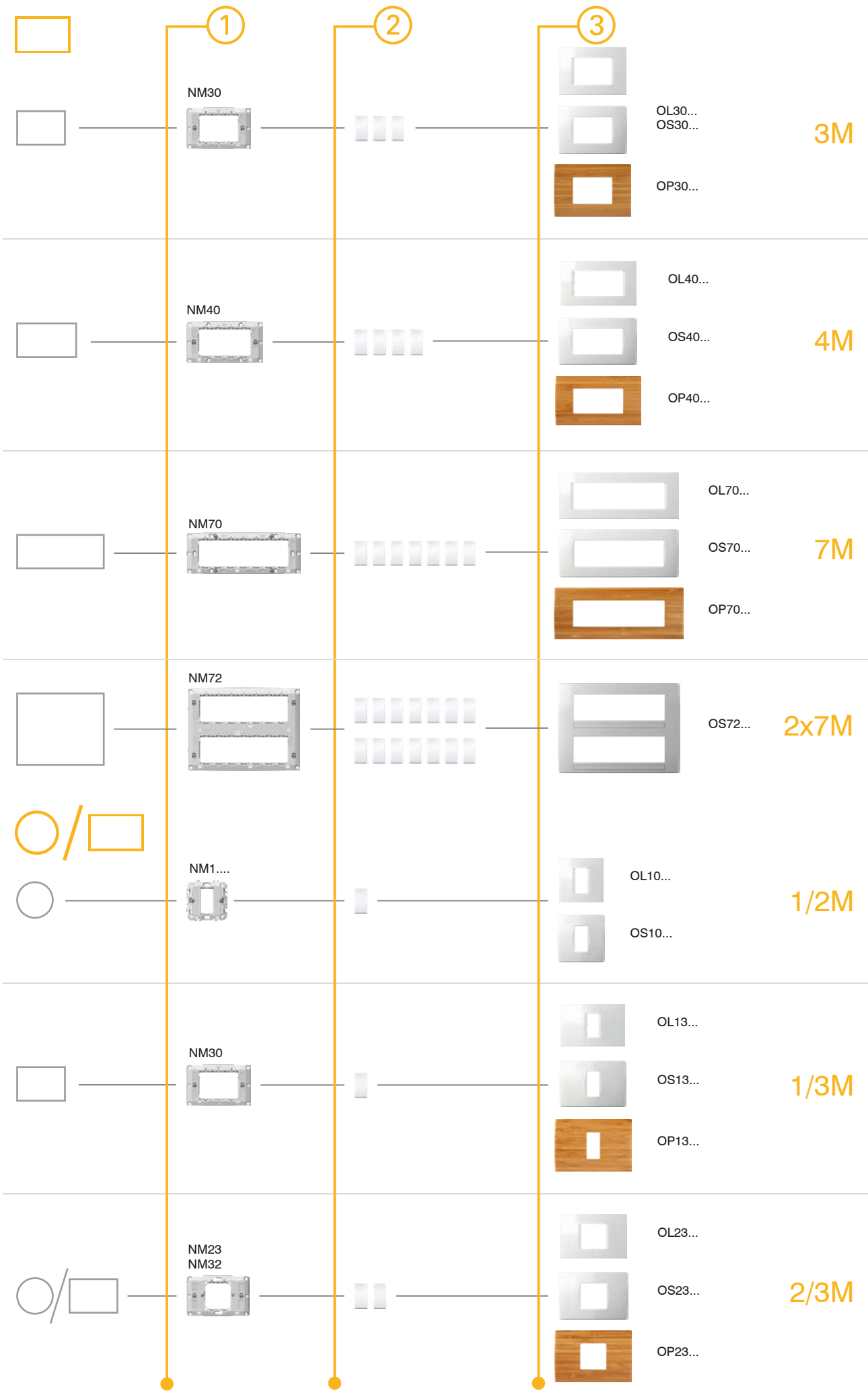


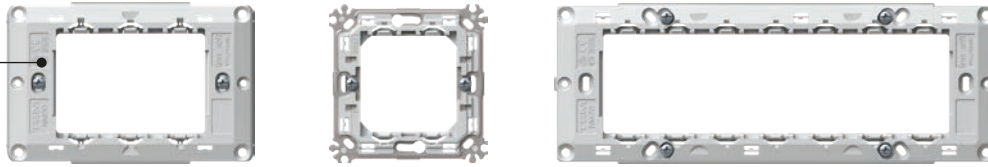
F R A M E S

	 line A x B	 soft A x B	 PURE A x B
2M 	80 x 80 mm	84 x 84 mm	93 x 90 mm
2x2M 	151 x 80 mm	155 x 84 mm	164 x 90 mm
3x2M 	222 x 80 mm	226 x 84 mm	235 x 90 mm
4x2M 	293 x 80 mm	297 x 84 mm	
 3M 	122 x 80 mm	122 x 84 mm	134 x 90 mm
4M 	149 x 80 mm	144 x 84 mm	157 x 90 mm
7M 	207 x 80 mm	212 x 84 mm	224 x 90 mm
2x7M 		212 x 158 mm	
 1/2M 	80 x 80 mm	84 x 84 mm	
1/3M 	122 x 80 mm	122 x 84 mm	134 x 90 mm
2/3M 	122 x 80 mm	122 x 84 mm	134 x 90 mm



C O M B I N A T I O N S



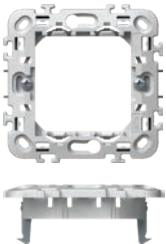


NM30

tip type	naziv description	veličina size
NM10	NOSAČ S NOŽICAMA MOUNTING FRAME WITH CLAWS	1/2M
NM11	NOSAČ BEZ VIJAKA MOUNTING FRAME WITHOUT SCREWS	1/2M
NM20	NOSAČ S NOŽICAMA MOUNTING FRAME WITH CLAWS	2M
...	...	...



**NOSAČ S NOŽICAMA 2M**

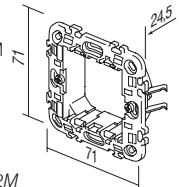


NM20

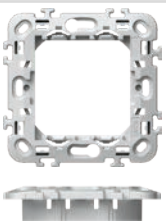
- nosač s nožicama 2M
- za ugradnju u kutije Ø60 (DE..) s nožicama
- moguće kombinacije vodoravne ili okomite ugradnje 2x2M, 3x2M i 4x2M
- prikladno za kombiniranje s okvirima LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME WITH CLAWS 2M**

- mounting frame 2M with claws
- for mounting on boxes Ø60 (DE..) with claws
- possible horizontal or vertical combinations 2x2M, 3x2M and 4x2M
- suitable for assembling with cover plates LINE and SOFT
- in accordance with EN 60669-1



**NOSAČ BEZ VIJAKA 2M**

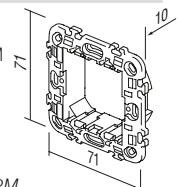


NM21

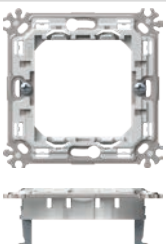
- nosač 2M bez vijaka i bez nožica
- za ugradnju u kutije Ø60 (HE.., BE..) s vijcima
- moguće kombinacije vodoravne ili okomite ugradnje 2x2M, 3x2M i 4x2M
- prikladno za kombiniranje s okvirima LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME WITHOUT SCREWS 2M**

- mounting frame 2M without screws and without claws
- for mounting on boxes Ø60 (HE.., BE..) with screws
- possible horizontal or vertical combinations 2x2M, 3x2M and 4x2M
- suitable for assembling with cover plates LINE and SOFT
- in accordance with EN 60669-1



**NOSAČ METALNI S NOŽICAMA 2M**

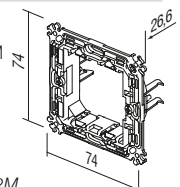


NM24

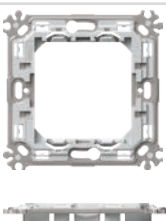
- metalni nosač 2M s nožicama - kruta inačica
- za ugradnju u kutije Ø60 (DE..) s nožicama
- moguće kombinacije vodoravne ili okomite ugradnje 2x2M, 3x2M i 4x2M
- prikladno za kombiniranje s okvirima PURE, LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME METAL WITH CLAWS 2M**

- metal mounting frame 2M with claws - stiff version
- for mounting on boxes Ø60 (DE..) with claws
- possible horizontal or vertical combinations 2x2M, 3x2M and 4x2M
- suitable for assembling with cover plates PURE, LINE and SOFT
- in accordance with EN 60669-1



**NOSAČ METALNI BEZ VIJAKA 2M**

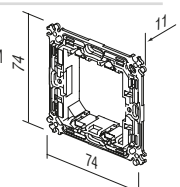


NM25

- metalni nosač 2M bez vijaka i bez nožica - kruta inačica
- za ugradnju u kutije Ø60 (HE.., BE..) s vijcima
- moguće kombinacije vodoravne ili okomite ugradnje 2x2M, 3x2M i 4x2M
- prikladno za kombiniranje s okvirima PURE, LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME METAL WITHOUT SCREWS 2M**

- metal mounting frame 2M without screws and without claws - stiff version
- for mounting in boxes Ø60 (HE.., BE..) with screws
- possible horizontal or vertical combinations 2x2M, 3x2M and 4x2M
- suitable for assembling with cover plates PURE, LINE and SOFT
- in accordance with EN 60669-1







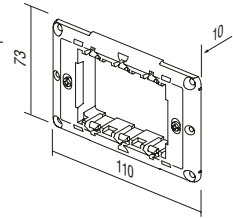
NM30

**NOSAČ S VIJCIMA 3M**

- nosač 3M s vijcima
- za ugradnju u pravokutne kutije 3M
- prikladno za kombiniranje s okvirima PURE, LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME WITH SCREWS 3M**

- mounting frame 3M with screws
- for mounting on rectangular boxes 3M
- suitable for assembling with cover plates PURE, LINE and SOFT
- in accordance with EN 60669-1



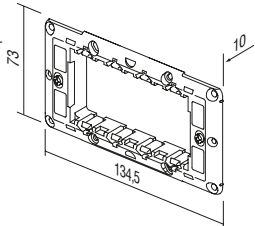
NM40

**NOSAČ S VIJCIMA 4M**

- nosač 4M s vijcima
- za ugradnju u pravokutne kutije 4M
- prikladno za kombiniranje s okvirima PURE, LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME WITH SCREWS 4M**

- mounting frame 4M with screws
- for mounting on rectangular boxes 4M
- suitable for assembling with cover plates PURE, LINE and SOFT
- in accordance with EN 60669-1



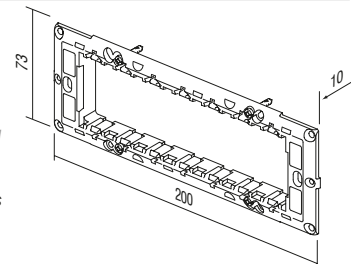
NM70

**NOSAČ S VIJCIMA 7M**

- nosač 7M s vijcima
- za ugradnju u pravokutne kutije 7M
- prikladno za kombiniranje s okvirima PURE, LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME WITH SCREWS 7M**

- mounting frame 7M with screws
- for mounting on rectangular boxes 7M
- suitable for assembling with cover plates PURE, LINE and SOFT
- in accordance with EN 60669-1



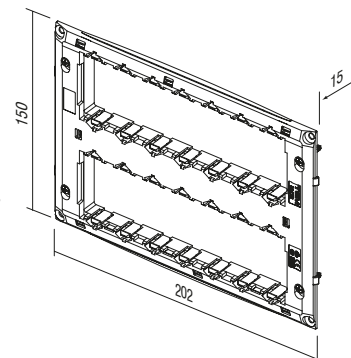
NM72

**NOSAČ S VIJCIMA 2x7M**

- nosač 2x7M s vijcima
- za ugradnju u pravokutne kutije 2x7M
- prikladan za sastavljanje s okvirom SOFT OS72
- sukladno normi EN 60669-1

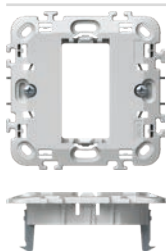
**MOUNTING FRAME WITH SCREWS 2x7M**

- mounting frame 2x7M with screws
- for mounting on rectangular boxes 2x7M
- suitable for assembling with cover plate SOFT OS72
- in accordance with EN 60669-1





**NOSAČ S NOŽICAMA 1/2M**

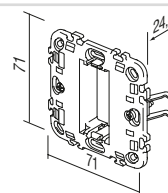


NM10

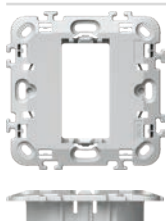
- nosač 1/2M s nožicama
- za ugradnju u kutije Ø60 (DE..) s nožicama
- prikladno za kombiniranje s okvirima LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME WITH CLAWS 1/2M**

- mounting frame 1/2M with claws
- for mounting on boxes Ø60 (DE..) with claws
- suitable for assembling with cover plates LINE and SOFT
- in accordance with EN 60669-1



**NOSAČ BEZ VIJAKA 1/2M**

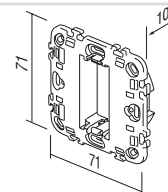


NM11

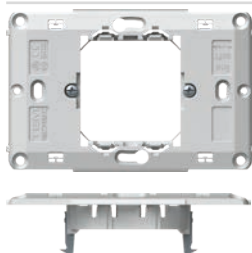
- nosač 1/2M bez vijaka i bez nožica
- za ugradnju u kutije Ø60 (HE.., BE..) s vijcima
- prikladno za kombiniranje s okvirima LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME WITHOUT SCREWS 1/2M**

- mounting frame 1/2M without screws and without claws
- for mounting on boxes Ø60 (HE.., BE..) with screws
- suitable for assembling with cover plates LINE and SOFT
- in accordance with EN 60669-1



**NOSAČ S NOŽICAMA 2/3M**

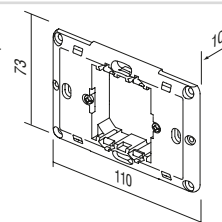


NM23

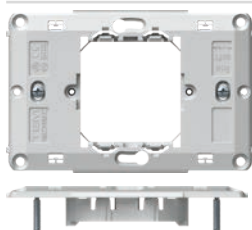
- nosač 2/3M s nožicama
- za ugradnju u kutije Ø60 (DE..) s nožicama
- prikladno za kombiniranje s okvirima PURE, LINE i SOFT
- sukladno normi EN 60669-1

**MOUNTING FRAME WITH CLAWS 2/3M**

- mounting frame 2/3M with claws
- for mounting on boxes Ø60 (DE..) with claws
- suitable for assembling with cover plates PURE, LINE and SOFT
- in accordance with EN 60669-1



**NOSAČ S VIJCIMA 2/3M**

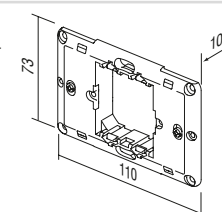


NM32

- nosač 2/3M s vijcima
- za ugradnju u pravokutne kutije 3M
- prikladno za kombiniranje s okvirima PURE, LINE i SOFT
- sukladno normi EN 60669-1

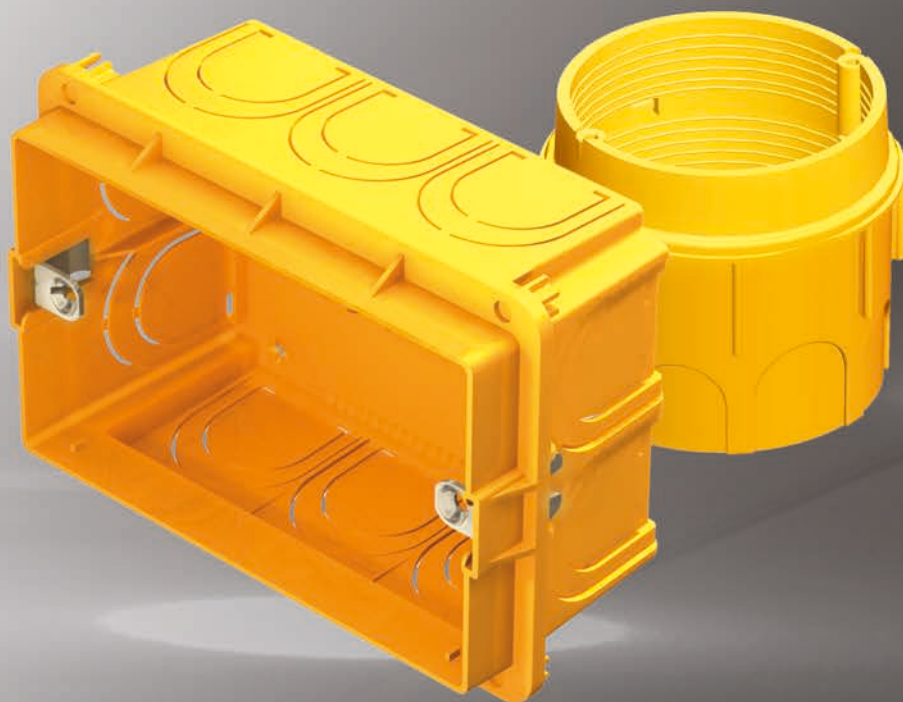
**MOUNTING FRAME WITH SCREWS 2/3M**

- mounting frame 2/3M with screws
- for mounting on rectangular boxes 3M
- suitable for assembling with cover plates PURE, LINE and SOFT
- in accordance with EN 60669-1





TEM






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**KUTIJE OKRUGLE**  
*ROUND BOXES*


134

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**KUTIJE PRAVOKUTNE**  
*RECTANGULAR BOXES*


142

---

**KUTIJE PRIKLJUČNE**  
*JUNCTION BOXES*


150

---

**PRIBOR ZA OŽIČENJE**  
*WIRING ACCESSORIES*


152





DE12



HE11



BE10

tip type	naziv description	veličina size
DE10	KUTIJA OKRUGLA ZA ZID OD OPEKE ROUND BOX BRICK	SM60-01
HE10	KUTIJA OKRUGLA ZA ŠUPLJE ZIDOVE ROUND BOX HOLLOW WALL	SM68X40
BE10	KUTIJA OKRUGLA ZA BETON ROUND BOX CONCRETE	
...	...	...

**KUTIJA OKRUGLA ZA ZID OD OPEKE SM60-01**

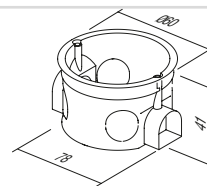


DE10

- Ø60, dubina 40mm
- 650°C, 500V ~
- sukladno normi IEC 60670-1
- bez halogena

**ROUND BOX BRICK SM60-01**

- Ø60, depth 40mm
- 650°C, 500V~
- in accordance with IEC 60670-1
- halogen free



**KUTIJA OKRUGLA ZA ZID OD OPEKE DUBOKA SM60-06**

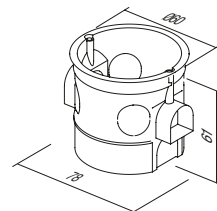


DE11

- Ø60, dubina 60mm
- 650°C, 500V ~
- sukladno normi IEC 60670-1
- bez halogena

**ROUND BOX BRICK DEEP SM60-06**

- Ø60, depth 60mm
- 650°C, 500V~
- in accordance with IEC 60670-1
- halogen free



**VEZNI ČLAN SM60-03**

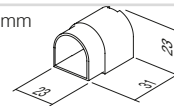


DE30

- za okomito povezivanje kutija SM60-06 ili SM60-01 na razmaku od 91 mm
- sukladno normi IEC 60670-1
- bez halogena

**COMBI-CLIP SM60-03**

- for vertical fitting of boxes SM60-06 or SM60-01 on distance 91 mm
- in accordance with IEC 60670-1
- halogen free



**VEZNI ČLAN SM60-04**

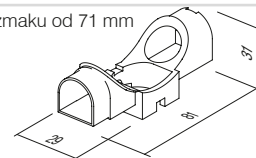



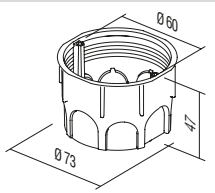

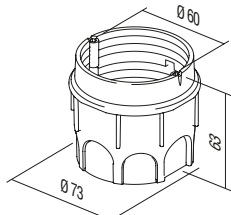

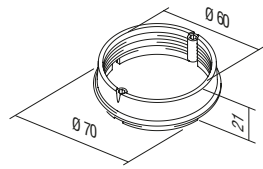

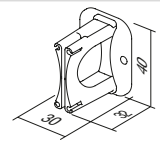

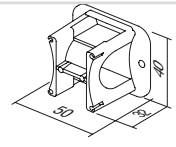

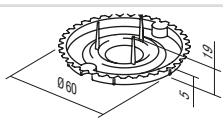

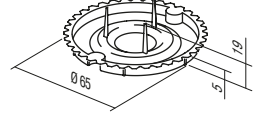

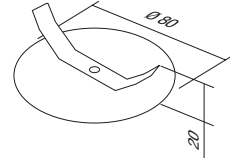
DE31

- za vodoravno povezivanje kutija SM60-06 ili SM60-01 na razmaku od 71 mm
- sukladno normi IEC 60670-1
- bez halogena

**COMBI-CLIP SM60-04**

- for horizontal fitting of boxes SM60-06 or SM60-01 on distance 71 mm
- in accordance with IEC 60670-1
- halogen free



	DE12	<b>KUTIJA OKRUGLA ZA ZID OD OPEKE MD65-46</b> - Ø65, dubina 46mm - 650°C, 500V ~ - sukladno normi IEC 60670-1 - bez halogena <b>ROUND BOX BRICK MD65-46</b> - Ø65, depth 46mm - 650°C, 500V~ - in accordance with IEC 60670-1 - halogen free	
	DE13	<b>KUTIJA OKRUGLA ZA ZID OD OPEKE DUBOKA MD65-60</b> - Ø65/60, dubina 62mm - 650°C, 500V ~ - sukladno normi IEC 60670-1 - bez halogena <b>ROUND BOX BRICK DEEP MD65-60</b> - Ø65/60, depth 62mm - 650°C, 500V~ - in accordance with IEC 60670-1 - halogen free	
	DE14	<b>PRODUŽETAK ZA MD65-46</b> - Ø65/60, dubina 17mm - 650°C, 500V ~ - sukladno normi IEC 60670-1 - bez halogena <b>ADDITIONAL PIECE FOR MD65-46</b> - Ø65/60, depth 17mm - 650°C, 500V~ - in accordance with IEC 60670-1 - halogen free	
	DE32	<b>VEZNI ČLAN MD65-71</b> - za povezivanje kutija MD65 na razmaku od 71mm - sukladno normi IEC 60670-1 - bez halogena <b>COMBI-CLIP MD65-71</b> - for fitting of boxes MD65 on distance 71mm - in accordance with IEC 60670-1 - halogen free	
	DE33	<b>VEZNI ČLAN MD65-91</b> - za povezivanje kutija MD65 na razmaku od 91mm - sukladno normi IEC 60670-1 - bez halogena <b>COMBI-CLIP MD65-91</b> - for fitting of boxes MD65 on distance 91mm - in accordance with IEC 60670-1 - halogen free	
	DE20	<b>POKLOPAC KUTIJE ZAŠTITNI 60</b> - zaštitni poklopac za kutiju Ø60 za DE13, DE14 - sukladno normi IEC 60670-1 - zaštita kutije tijekom žbukanja <b>BOX COVER PROTECTIVE 60</b> - protective cover for box Ø60 for DE13, DE14 - in accordance with IEC 60670-1 - box protection during plastering	
	DE21	<b>POKLOPAC KUTIJE ZAŠTITNI 65</b> - zaštitni poklopac za kutiju Ø65 za DE12 - sukladno normi IEC 60670-1 - zaštita kutije tijekom žbukanja <b>BOX COVER PROTECTIVE 65</b> - protective cover for box Ø65 for DE12 - in accordance with IEC 60670-1 - box protection during plastering	
	DE22	<b>POKLOPAC KUTIJE DEKORATIVNI SM60</b> - dekorativni poklopac za kutije Ø60 - sukladno normi IEC 60670-1 - bez halogena <b>BOX COVER DECORATIVE SM60</b> - decorative cover for boxes Ø60 - in accordance with IEC 60670-1 - halogen free	



cigla / brick



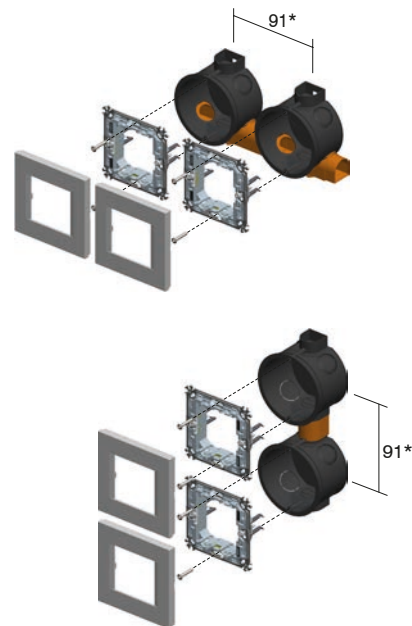
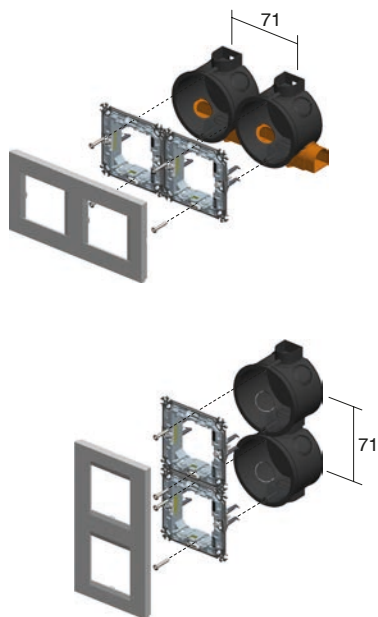
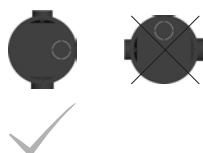
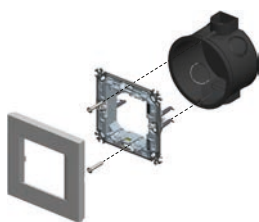
K U T I J E

upute za ugradnju /  
assembly instructions

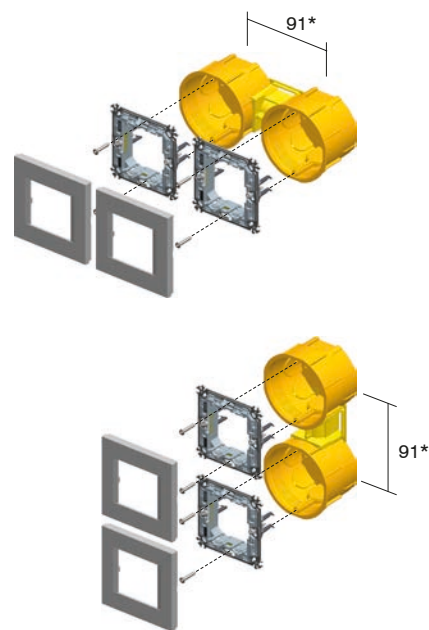
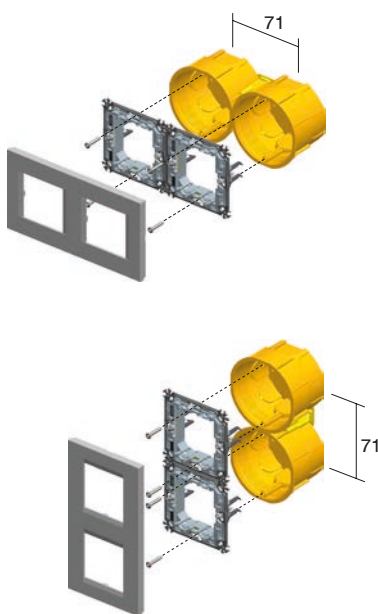
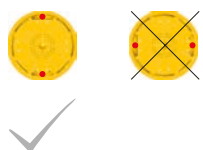
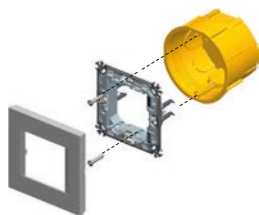
razmak između kutija /  
distance between boxes: 71mm

razmak između kutija /  
distance between boxes: 91mm

DE10,11



DE12,13



\* za okvire PURE, min. razmak između  
kutija je 100 mm

\* for PURE cover plates the minimum distance between  
boxes is 100mm

R O U N D      B O X E S



DE10,11



DE12,13



NM20



NM24



DE10,11



DE12,13



NM10



DE10,11



DE12,13



NM23



71

2xDE10,11 + 2xDE31



2xDE12,13 + 1xDE32



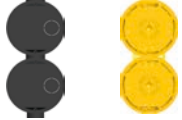
2xNM20



2xNM24



2xDE10,11    2xDE12,13 + 1xDE32



2xNM20



2xNM24



3xDE10,11 + 3xDE31



3xDE12,13 + 2xDE32



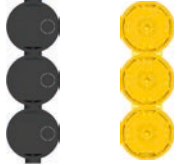
3xNM20



3xNM24



3xDE10,11    3xDE12,13 + 2xDE32



3xNM20



3xNM24



4xDE10,11 + 4xDE31



4xDE12,13 + 3xDE32



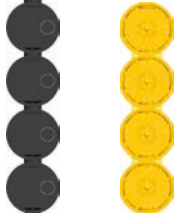
4xNM20



4xNM24



4xDE10,11    4xDE12,13 + 3xDE32



4xNM20



4xNM24





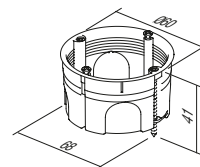
HE10

## KUTIJA OKRUGLA ZA ŠUPLJE ZIDOVE SM68x40

- Ø60, dubina 40mm
- ugradni promjer Ø68
- 850°C, 400V ~
- sukladno normi IEC 60670-1
- ugradnja s nožicama
- bez halogena

## ROUND BOX HOLLOW WALL SM68x40

- Ø60, depth 40mm
- cutting hole Ø68
- 850°C, 400V~
- in accordance with IEC 60670-1
- mounting with claws
- halogen free



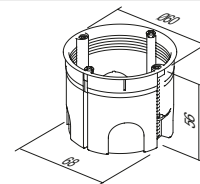
HE11

## KUTIJA OKRUGLA ZA ŠUPLJE ZIDOVE SM68x55

- Ø60, dubina 55mm
- ugradni promjer Ø68
- 850°C, 400V ~
- sukladno normi IEC 60670-1
- ugradnja s nožicama
- bez halogena

## ROUND BOX HOLLOW WALL SM68x55

- Ø60, depth 55mm
- cutting hole Ø68
- 850°C, 400V~
- in accordance with IEC 60670-1
- mounting with claws
- halogen free



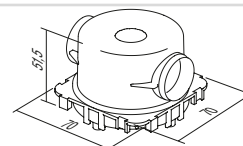
BE10

## KUTIJA OKRUGLA ZA BETON

- Ø60 mm, dubina 49 mm
- 650°C, 500V ~
- sukladno normi IEC 60670-1
- bez halogena

## ROUND BOX CONCRETE

- Ø60mm, depth 49mm
- 650°C, 500V~
- in accordance with IEC 60670-1
- halogen free



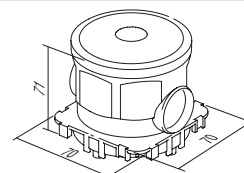
BE11

## KUTIJA OKRUGLA ZA BETON DUBOKA

- Ø60 mm, dubina 58mm
- 650°C, 500V ~
- sukladno normi IEC 60670-1
- bez halogena

## ROUND BOX CONCRETE DEEP

- Ø60mm, depth 58mm
- 650°C, 500V~
- in accordance with IEC 60670-1
- halogen free



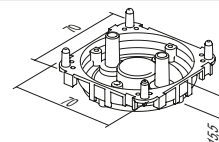
BE20

## NOSAČ KUTIJE ZA BETON

- za učvršćivanje doze dilatacijskim profilom BM82 u suprotni zid
- sukladno normi IEC 60670-1
- bez halogena

## COUNTER BOX SUPPORT CONCRETE

- to support concrete boxes with discance profile BM82 for extreme loads
- in accordance with IEC 60670-1
- halogen free



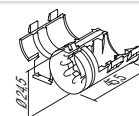
BE21

## UVODNICA ZA KUTIJU ZA BETON 16

- za učvršćivanje instalacijske cijevi
- sukladno normi IEC 60670-1
- bez halogena

## PIPE STOPPER CONCRETE BOX 16

- for firming installation pipe to box
- in accordance with IEC 60670-1
- halogen free





## R O U N D

## B O X E S

šuplji zidovi / hollow walls



beton / concrete

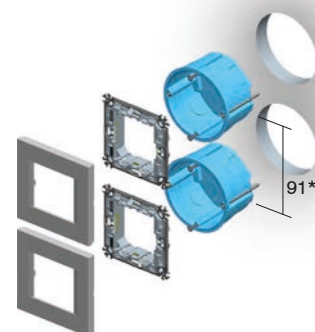
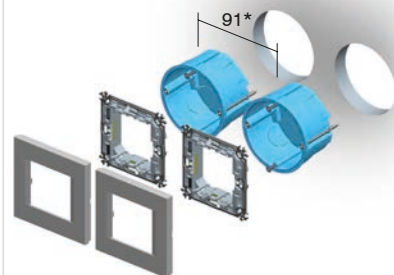
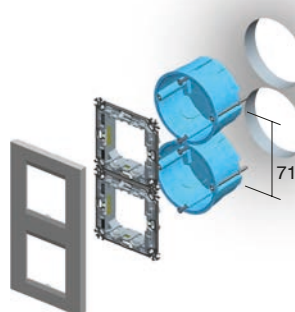
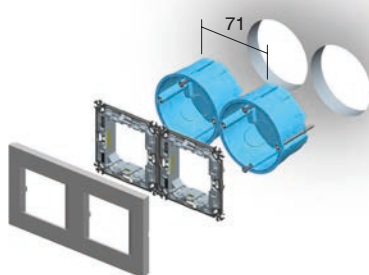
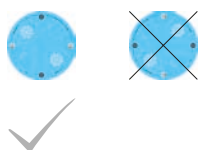
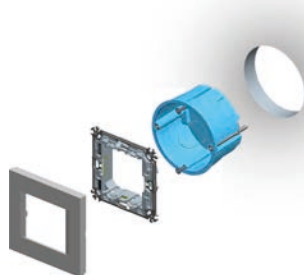


upute za ugradnju /  
assembly instructions

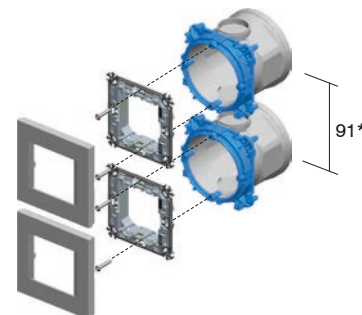
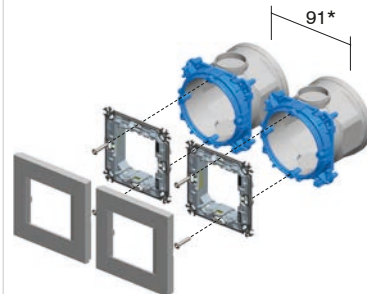
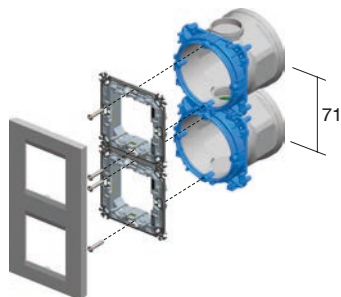
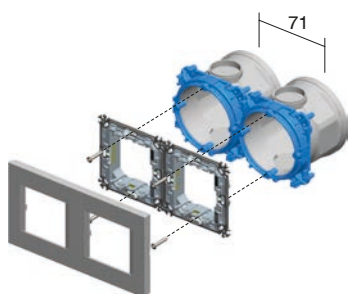
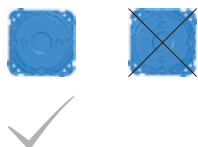
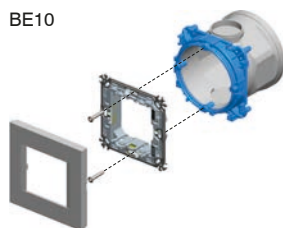
razmak između kutija /  
distance between boxes: 71mm

razmak između kutija /  
distance between boxes: 91mm

HE10,11



BE10



\* za okvire PURE, min. razmak između kutija je 100mm

\* for PURE cover plates the minimum distance between boxes is 100mm

šuplji zidovi / hollow walls



beton / concrete



HE10,11



BE10,11



NM21



NM25



2M

HE10,11



BE10,11



NM11



1/2M

2xHE10,11



2xBE10,11



2xNM21



2xNM25



2x2M

HE10,11



BE10,11



NM32



2/3M

2xHE10,11



2xBE10,11



2xNM21



2xNM25



3xHE10,11



3xBE10,11



3xNM21



3xNM25



3x2M

3xHE10,11



3xBE10,11



3xNM21



3xNM25



4xHE10,11



4xBE10,11



4xNM21



4xNM25



4x2M

4xHE10,11



4xBE10,11



4xNM21



4xNM25

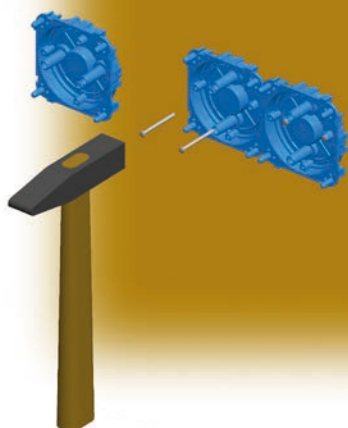


## R O U N D      B O X E S

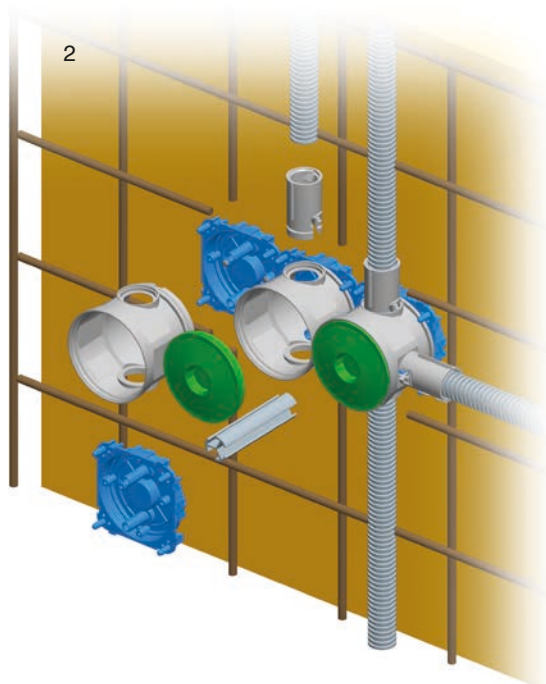


upute za ugradnju /  
assembly instructions

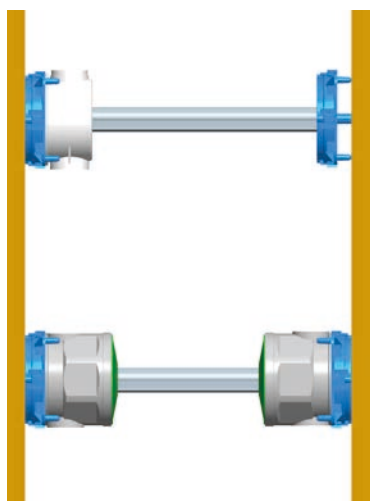
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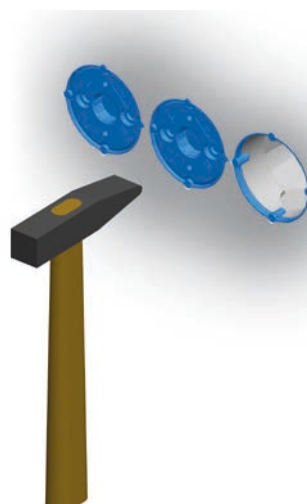
2



3



4





DM30



HM30



BM30

tip type	naziv description	veličina size
DM30	KUTIJA PRAVOKUTNA ZA ZID OD OPEKE RECTANGULAR BOX BRICK	PM3
HM30	KUTIJA PRAVOKUTNA ZA ŠUPLJE ZIDOVE VM3 RECTANGULAR BOX HOLLOW WALL	VM3
BM30	KUTIJA PRAVOKUTNA ZA BETON RECTANGULAR BOX CONCRETE	BM3
...	...	...

KUTIJA PRAVOKUTNA ZA ZID OD OPEKE PM3

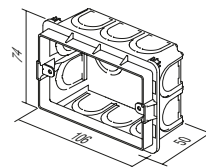


DM30

- veličina 3M, dubina 49 mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

RECTANGULAR BOX BRICK PM3

- size 3M, depth 49mm
- 650°C, 400V~
- in accordance with IEC 60670-1
- halogen free



KUTIJA PRAVOKUTNA ZA ZID OD OPEKE PM3-65

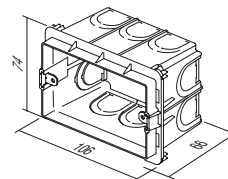


DM31

- veličina 3M, dubina 65mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

RECTANGULAR BOX BRICK PM3-65

- size 3M, depth 65mm
- 650°C, 400V~
- in accordance with IEC 60670-1
- halogen free



KUTIJA PRAVOKUTNA ZA ZID OD OPEKE PM4

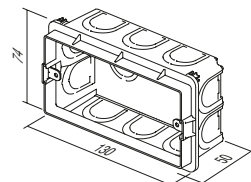


DM40

- veličina 4M, dubina 49 mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

RECTANGULAR BOX BRICK PM4

- size 4M, depth 49mm
- 650°C, 400V~
- in accordance with IEC 60670-1
- halogen free



KUTIJA PRAVOKUTNA ZA ZID OD OPEKE PM4-65

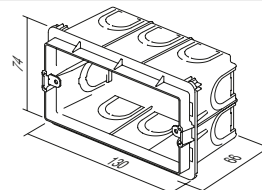


DM41

- veličina 4M, dubina 65mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

RECTANGULAR BOX BRICK PM4-65

- size 4M, depth 65mm
- 650°C, 400V~
- in accordance with IEC 60670-1
- halogen free



## R E C T A N G U L A R   B O X E S



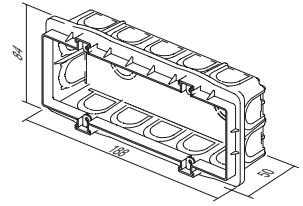
DM70

## KUTIJA PRAVOKUTNA ZA ZID OD OPEKE PM7

- veličina 7M, dubina 49 mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

## RECTANGULAR BOX BRICK PM7

- size 7M, depth 49mm
- 650°C, 400V ~
- in accordance with IEC 60670-1
- halogen free



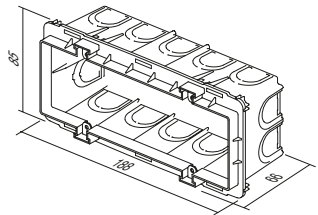
DM71

## KUTIJA PRAVOKUTNA ZA ZID OD OPEKE PM7-65

- veličina 7M, dubina 65mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

## RECTANGULAR BOX BRICK PM7-65

- size 7M, depth 65mm
- 650°C, 400V ~
- in accordance with IEC 60670-1
- halogen free



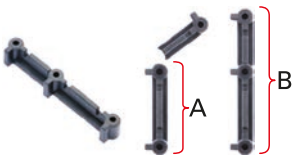
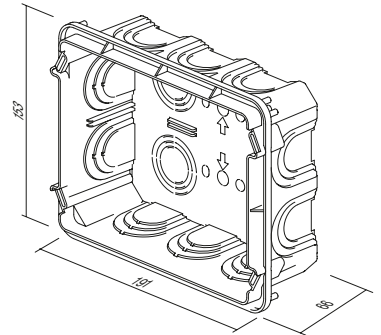
DM72

## KUTIJA PRAVOKUTNA ZA ZID OD OPEKE PM72-65

- veličina 2x7M, dubina 64mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

## RECTANGULAR BOX BRICK PM72-65

- size 2x7M, depth 64mm
- 650°C, 400V ~
- in accordance with IEC 60670-1
- halogen free



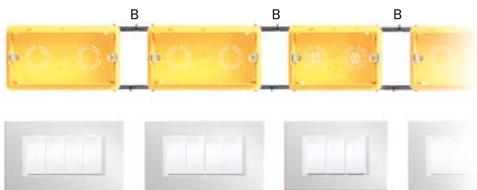
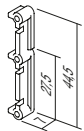
DM80

## VEZNI ČLAN KUTIJE PM

- za okomito (B) i vodoravno (A) povezivanje kutija PM3, PM4 i PM7
- prikladan za dekorativne okvire Line i Soft (nije prikladan za PURE)

## DISTANCE PIECE FOR BOX PM

- for vertical (B) and horizontal (A) fitting of boxes PM3, PM4 and PM7
- suitable for Line and Soft decorative cover plates (not for PURE)







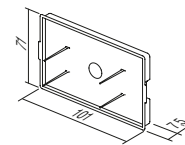
DM33

**POKLOPAC KUTIJE ZAŠTITNI PM3**

- zaštitni poklopac za kutiju PM3
- sukladno normi IEC 60670-1
- bez halogena
- zaštita kutije tijekom žbukanja

*BOX COVER PROTECTIVE PM3*

- protective cover for box PM3
- in accordance with IEC 60670-1
- halogen free
- box protection during plastering



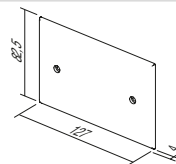
DM34

**POKLOPAC KUTIJE DEKORATIVNI PM3**

- dekorativni poklopac za kutije 3M
- vijci priloženi
- sukladno normi IEC 60670-1
- bez halogena

*BOX COVER DECORATIVE PM3*

- decorative cover for boxes 3M
- screws are included
- in accordance with IEC 60670-1
- halogen free



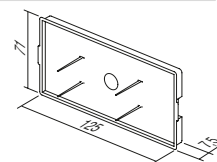
DM43

**POKLOPAC KUTIJE ZAŠTITNI PM4**

- zaštitni poklopac za kutiju PM4
- sukladno normi IEC 60670-1
- bez halogena
- zaštita kutije tijekom žbukanja

*BOX COVER PROTECTIVE PM4*

- protective cover for box PM4
- in accordance with IEC 60670-1
- halogen free
- box protection during plastering



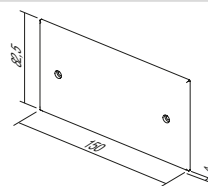
DM44

**POKLOPAC KUTIJE DEKORATIVNI PM4**

- dekorativni poklopac za kutije 4M
- vijci priloženi
- sukladno normi IEC 60670-1
- bez halogena

*BOX COVER DECORATIVE PM4*

- decorative cover for boxes 4M
- screws are included
- in accordance with IEC 60670-1
- halogen free



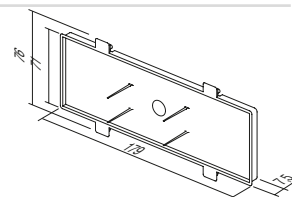
DM73

**POKLOPAC KUTIJE ZAŠTITNI PM7**

- zaštitni poklopac za kutiju PM7
- sukladno normi IEC 60670-1
- bez halogena
- zaštita kutije tijekom žbukanja

*BOX COVER PROTECTIVE PM7*

- protective cover for box PM7
- in accordance with IEC 60670-1
- halogen free
- box protection during plastering



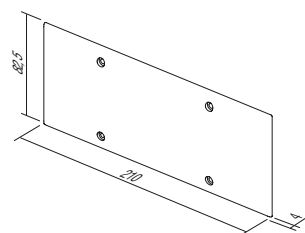
DM74

**POKLOPAC KUTIJE DEKORATIVNI PM7**

- dekorativni poklopac za kutije 7M
- vijci priloženi
- sukladno normi IEC 60670-1
- bez halogena

*BOX COVER DECORATIVE PM7*

- decorative cover for boxes 7M
- screws are included
- in accordance with IEC 60670-1
- halogen free





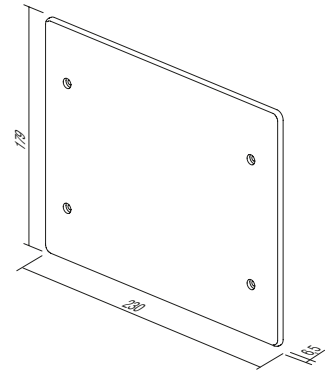
DM75

**POKLOPAC KUTIJE DEKORATIVNI PM72**

- dekorativni poklopac za kutije 2x7M
- vijci priloženi
- sukladno normi IEC 60670-1

**BOX COVER DECORATIVE PM72**

- decorative cover for boxes 2x7M
- screws are included
- in accordance with IEC 60670-1





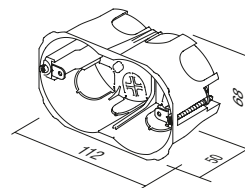
HM30

**KUTIJA PRAVOKUTNA ZA ŠUPLJE ZIDOVE VM3**

- veličina 3M, dubina 49 mm
- ugradni promjer 2xØ68/45mm
- 850°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

**RECTANGULAR BOX HOLLOW WALL VM3**

- size 3M, depth 49mm
- cutting hole 2xØ68/45mm
- 850°C, 400V~
- in accordance with IEC 60670-1
- halogen free



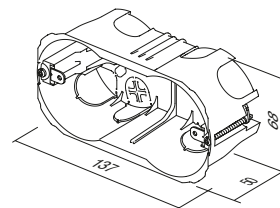
HM40

**KUTIJA PRAVOKUTNA ZA ŠUPLJE ZIDOVE VM4**

- veličina 4M, dubina 49 mm
- ugradni promjer 2xØ68/70mm
- 850°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

**RECTANGULAR BOX HOLLOW WALL VM4**

- size 4M, depth 49mm
- cutting hole 2xØ68/70mm
- 850°C, 400V~
- in accordance with IEC 60670-1
- halogen free



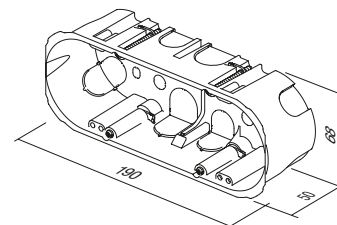
HM70

**KUTIJA PRAVOKUTNA ZA ŠUPLJE ZIDOVE VM7**

- veličina 7M, dubina 49 mm
- ugradni promjer 2xØ68/120mm
- 850°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

**RECTANGULAR BOX HOLLOW WALL VM7**

- size 7M, depth 49mm
- cutting hole 2xØ68/120mm
- 850°C, 400V~
- in accordance with IEC 60670-1
- halogen free



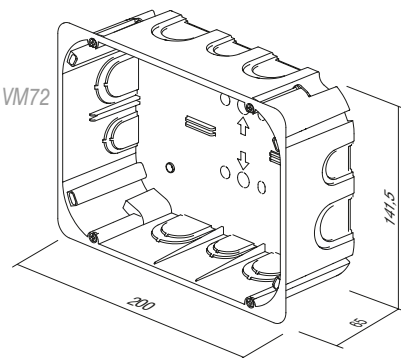
HM72

**KUTIJA PRAVOKUTNA ZA ŠUPLJE ZIDOVE VM72**

- veličina 2x7M, dubina 63mm
- 850°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

**RECTANGULAR BOX HOLLOW WALL VM72**

- size 2x7M, depth 63mm
- 850°C, 400V~
- in accordance with IEC 60670-1
- halogen free



## R E C T A N G U L A R   B O X E S



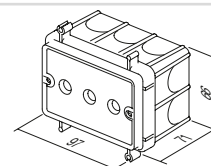
BM30

## PRAVOKUTNA KUTIJA ZA BETON BM3

- veličina 3M, dubina 60mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

*RECTANGULAR BOX CONCRETE BM3*

- size 3M, depth 60mm
- 650°C, 400V~
- in accordance with IEC 60670-1
- halogen free



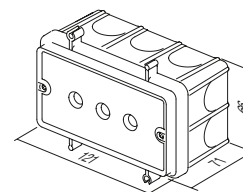
BM40

## PRAVOKUTNA KUTIJA ZA BETON BM4

- veličina 4M, dubina 60mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

*RECTANGULAR BOX CONCRETE BM4*

- size 4M, depth 60mm
- 650°C, 400V~
- in accordance with IEC 60670-1
- halogen free



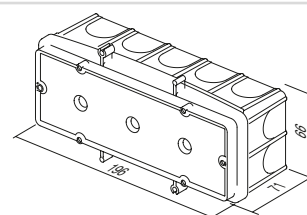
BM70

## PRAVOKUTNA KUTIJA ZA BETON BM7

- veličina 7M, dubina 60mm
- 650°C, 400V ~
- sukladno normi IEC 60670-1
- bez halogena

*RECTANGULAR BOX CONCRETE BM7*

- size 7M, depth 60mm
- 650°C, 400V~
- in accordance with IEC 60670-1
- halogen free



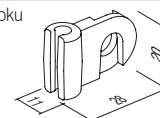
BM80

## PRIČVRSNI KOMBI-DRŽAČ BM

- za brzo pričvršćivanje pravokutnih kutija BM na armiranu betonsku šipku
- prikladno za šipku promjera do Ø8 mm

*FIXING COMBI-CLIP BM*

- for fast fixation of BM rectangular boxes on reinforcing bar
- suitable for bar diameter up to Ø8mm



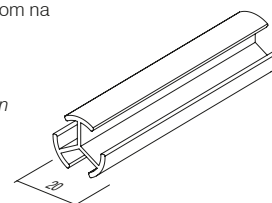
BM82

## VEZNI PROFIL ZA KUTIJE BM

- za podupiranje kutija BM s odgovarajućom kutijom na nasuprotnom zidu
- duljina l = 1 m, promjer Ø20 mm

*DISTANCE PROFIL FOR BOXES BM*

- to support boxes BM with counter box support on opposite wall
- length l = 1m, diameter Ø20mm



# K U T I J E P R A V O K U T N E



cigla / brick



šuplji zidovi / hollow walls



beton / concrete



K U T I J E

DM30		—	NM30		3M
HM30					
BM30					

DM40		—	NM40		4M
HM40					
BM40					

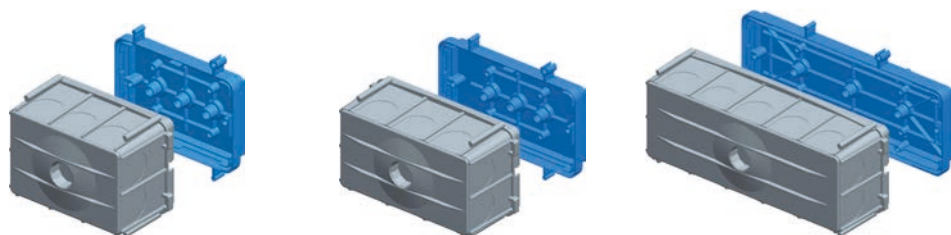
DM70		—	NM70		7M
HM70					
BM70					

DM72		—	NM72		2x7M
HM72					

DM30		—	NM32		2/3M
HM30					
BM30					

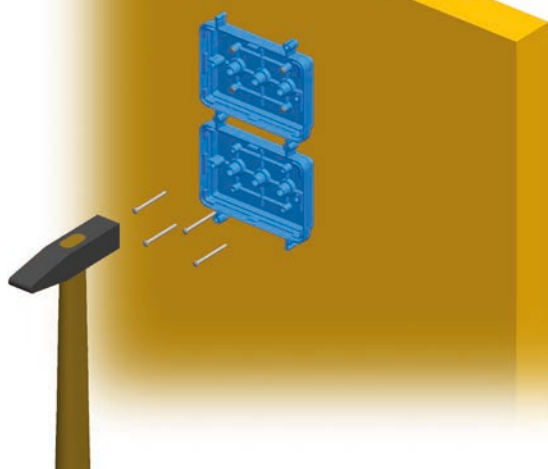


## R E C T A N G U L A R   B O X E S

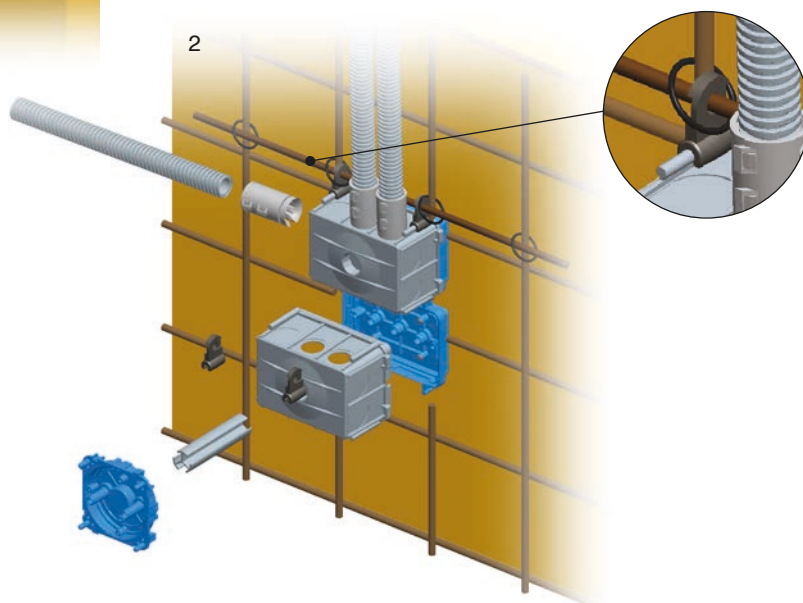


upute za ugradnju /  
assembly instructions

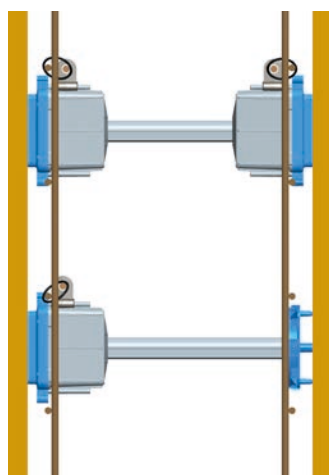
1



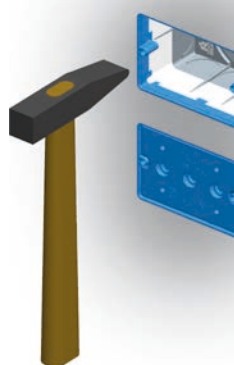
2



3



4





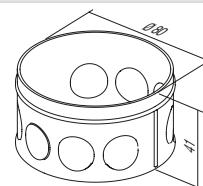
DW10

**KUTIJA PRIKLJUČNA OKRUGLA ZA ZID OD OPEKE DSM78**

- Ø78, dubina 40mm
- 650°C, 500V ~
- sukladno normama IEC 60670-1 i IEC 60670-22
- bez halogena

**CONNECTION ROUND BOX BRICK DSM78**

- Ø78, depth 40mm
- 650°C, 500V~
- in accordance with IEC 60670-1 and IEC 60670-22
- halogen free



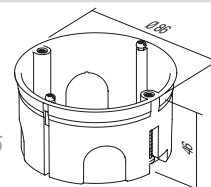
HW10

**KUTIJA PRIKLJUČNA OKRUGLA ZA ŠUPLJE ZIDOVE SM78x45**

- Ø78, dubina 45mm
- ugradni promjer Ø80
- 850°C, 400V ~
- sukladno normama IEC 60670-1 i IEC 60670-22
- ugradnja s nožicama
- bez halogena

**CONNECTION ROUND BOX HOLLOW WALL SM78x45**

- Ø78, depth 45mm
- cutting hole Ø80
- 850°C, 400V~
- in accordance with IEC 60670-1 and IEC 60670-22
- mounting with claws
- halogen free



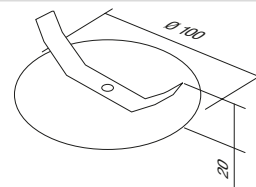
DE23

**POKLOPAC KUTIJE DEKORATIVNI SM78**

- dekorativni poklopac za kutije Ø78
- sukladno normama IEC 60670-1 i IEC 60670-22
- bez halogena

**BOX COVER DECORATIVE SM78**

- decorative cover for boxes Ø78
- in accordance with IEC 60670-1 and IEC 60670-22
- halogen free



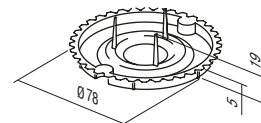
DE24

**POKLOPAC KUTIJE ZAŠTITNI 78**

- zaštitni poklopac za kutije Ø78
- sukladno normama IEC 60670-1 i IEC 60670-22
- bez halogena

**BOX COVER PROTECTIVE 78**

- protective cover for box Ø78
- in accordance with IEC 60670-1 and IEC 60670-22
- halogen free



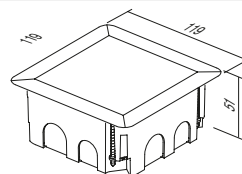
HW20

**KUTIJA PRIKLJUČNA ČETVRTASTA ZA ZID OD OPEKE SM105x105**

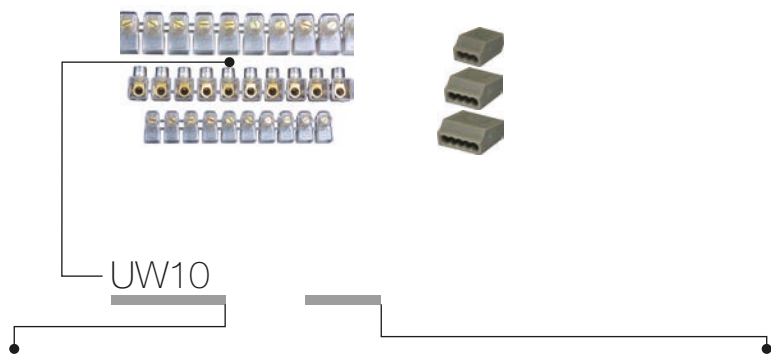
- veličina 105x105mm, dubina 50mm
- ugradnja u rupu prema priloženoj šabloni
- 850°C, 400V ~
- sukladno normama IEC 60670-1 i IEC 60670-22
- ugradnja s nožicama
- bez halogena

**CONNECTION SQUARE BOX BRICK SM105x105**

- size 105x105mm, depth 50mm
- cutting hole according to attached template
- 850°C, 400V~
- in accordance with IEC 60670-1 and IEC 60670-22
- mounting with claws
- halogen free



J U N C T I O N   B O X E S



tip type	naziv description	tehnički podaci technical data	veličina size	boja colour
UW10	JEDNOREDNE STEZALJKE 1 ROW TERMINAL BLOCKS	2x2.5mm <sup>2</sup>	10P	<input checked="" type="checkbox"/> TS transparentna transparent
UW11	JEDNOREDNE STEZALJKE 1 ROW TERMINAL BLOCKS	2x4mm <sup>2</sup>	10P	<input type="checkbox"/> CO boja colour
UW12	JEDNOREDNE STEZALJKE 1 ROW TERMINAL BLOCKS	2x6mm <sup>2</sup>	10P	<input type="checkbox"/> WH bijela white
...	...	...	...	<input type="checkbox"/> GY siva grey

#### JEDNOREDNE STEZALJKE ZATVORENE

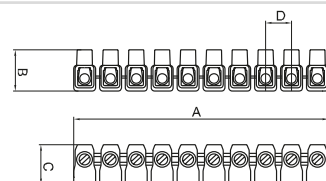


- 450V~; 2x2.5mm<sup>2</sup> ÷ 2x6mm<sup>2</sup>  
- termoplast PC, prozirne  
- broj polova: 10

#### 1 ROW TERMINAL BLOCKS CLOSED

- 450V~; 2x2.5mm<sup>2</sup> ÷ 2x6mm<sup>2</sup>  
- termoplast PC, transparent  
- number of poles: 10

UW10TS	(NS12)	2x2.5mm <sup>2</sup>	10P
UW11TS	(NS12)	2x4mm <sup>2</sup>	10P
UW12TS	(NS12)	2x6mm <sup>2</sup>	10P



	A	B	C	D
2x2.5 □	110	17.5	17.5	11
2x4 □	128	21	19	12.5
2x6 □	146	21.5	22	15

#### JEDNOREDNE STEZALJKE

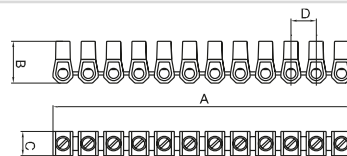


- 450V~; 2x2.5mm<sup>2</sup> ÷ 2x6mm<sup>2</sup>  
- termoplast PA  
- dostupne u raznim bojama  
- broj polova: 12

#### 1 ROW TERMINAL BLOCKS

- 450V~; 2x2.5mm<sup>2</sup> ÷ 2x6mm<sup>2</sup>  
- termoplast PA  
- available in different colours  
- number of poles: 12

UW15CO	(NS12)	2x2.5mm <sup>2</sup>	12P
UW16CO	(NS12)	2x4mm <sup>2</sup>	12P
UW17CO	(NS12)	2x6mm <sup>2</sup>	12P



	A	B	C	D
2x2.5 □	110	16.4	9	10
2x4 □	118.8	19	10	10
2x6 □	129.8	21.3	11	11.8

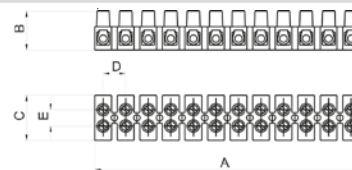
#### DVOREDNE STEZALJKE PP



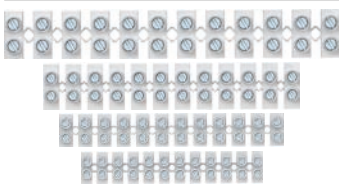
- 450 V~; 1 mm<sup>2</sup> ÷ 16 mm<sup>2</sup>  
- termoplast polipropilen PP, bijele  
- za upotrebu do 80°C  
- broj polova: 12

#### 2 ROW TERMINAL BLOCKS PP

- 450V~; 1mm<sup>2</sup> ÷ 16mm<sup>2</sup>  
- termoplast polypropylene PP, white  
- for temperatures up to 80°C  
- number of poles: 12



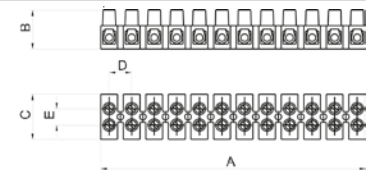
					A	B	C	D	E
UW29WHPP	1.0-4.0mm <sup>2</sup>	24 A	450 V		94,9	13	16,6	8,1	6,4
UW30WHPP	1.5-6.0mm <sup>2</sup>	32 A	450 V		116,5	14,9	18,9	10	7,3
UW31WHPP	2.5-10mm <sup>2</sup>	41 A	450 V		133,8	17,3	23,4	11,5	10
UW32WHPP	4-16mm <sup>2</sup>	76 A	450 V		174,5	20,7	25	15	11

**DVOREDNE STEZALJKE PA**

- 450 V~; 1 mm<sup>2</sup> ÷ 16 mm<sup>2</sup>
- termoplast poliamid PA, bijele
- za upotrebu do 110 °C
- broj polova: 12

**2 ROW TERMINAL BLOCKS PA**

- 450V~; 1mm<sup>2</sup> ÷ 16mm<sup>2</sup>
- thermoplast polyamide PA, white
- for temperatures up to 110°C
- number of poles: 12



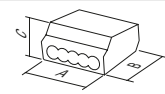
					A	B	C	D	E
UW25WHPA	1.0-4.0mm <sup>2</sup>	24 A	450 V		93,6	13,4	16,2	8	6,4
UW26WHPA	1.5-6.0mm <sup>2</sup>	32 A	450 V		117	15	18,6	10	7,3
UW27WHPA	2.5-10mm <sup>2</sup>	41 A	450 V		132,8	17,3	22,2	11,5	10
UW28WHPA	4-16mm <sup>2</sup>	76 A	450 V		173,9	20,8	25,2	15	11

**BEZVIJČANE REDNE STEZALJKE**

- 24A 450V~, termoplast PA, sive
- broj polova: 3÷8
- bezvičajni kontakti 0,5 ÷ 1,5 mm<sup>2</sup>, za tvrde žice
- sukladno normi EN 60998-1

**PLUG-IN WIRE CONNECTORS**

- 24A 450V~, thermoplast PA, grey
- number of poles: 3÷8
- plug-in contacts 0.5÷1.5mm<sup>2</sup>, for rigid wires
- in accordance with EN 60998-1



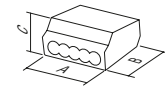
UW40GY	PC153	1.5mm <sup>2</sup>	3P	3P	A	B	C
UW41GY	PC155	1.5mm <sup>2</sup>	5P	5P	12	18	9
UW42GY	PC158	1.5mm <sup>2</sup>	8P	8P	17	18	9
					26	18	9

**BEZVIJČANE REDNE STEZALJKE**

- 24A 450V~, termoplast PA, sive
- broj polova: 3÷5
- bezvičajni kontakti 1,5 ÷ 2,5 mm<sup>2</sup>, za tvrde žice
- sukladno normi EN 60998-1

**PLUG-IN WIRE CONNECTORS**

- 24A 450V~, thermoplast PA, grey
- number of poles: 3÷5
- plug-in contacts 1.5÷2.5mm<sup>2</sup>, for rigid wires
- in accordance with EN 60998-1



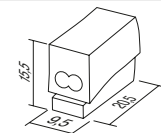
UW45GY	PC253	2.5mm <sup>2</sup>	3P	3P	A	B	C
UW46GY	PC254	2.5mm <sup>2</sup>	4P	4P	14	19	9
UW47GY	PC255	2.5mm <sup>2</sup>	5P	5P	17	19	9
					21	19	9

**BEZVIJČANE REDNE STEZALJKE**

- 24A 450V~, termoplast PA, sive
- broj polova: 2 (tvrda žica) + 1 (meka žica)
- bezvičajni kontakti 1,5 ÷ 2,5mm<sup>2</sup>
- sukladno normi EN 60998-1

**PLUG-IN WIRE CONNECTOR**

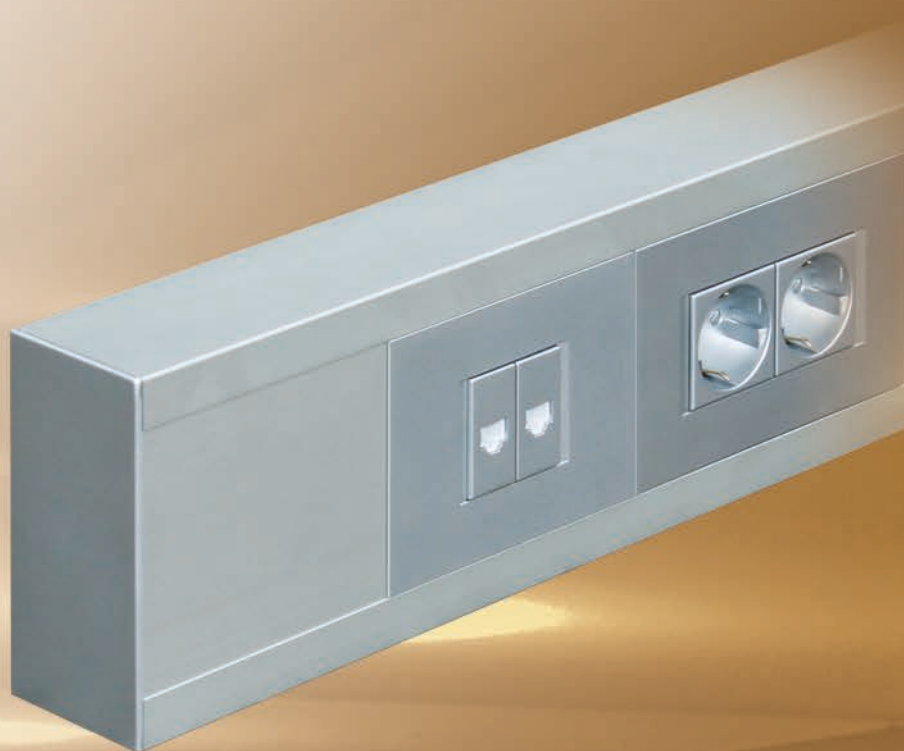
- 24A 450V~, thermoplast PA, grey
- number of poles: 2 (rigid wire) + 1 (soft wire)
- plug-in contacts 1.5÷2.5mm<sup>2</sup>
- in accordance with EN 60998-1



UW50WH	PC302	2.5mm <sup>2</sup>	2/1P
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TEM





KUĆIŠTA CUBO IP20 AC  
BOXES CUBO IP20 AC



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KUĆIŠTA CUBO IP55 AQ  
BOXES CUBO IP55 AQ



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PARAPETNI KANALI ALUMINIJ MA  
TRUNKING SYSTEM ALUMINIUM MA



158

PODNE KUTIJE MT  
FLOOR BOXES MT

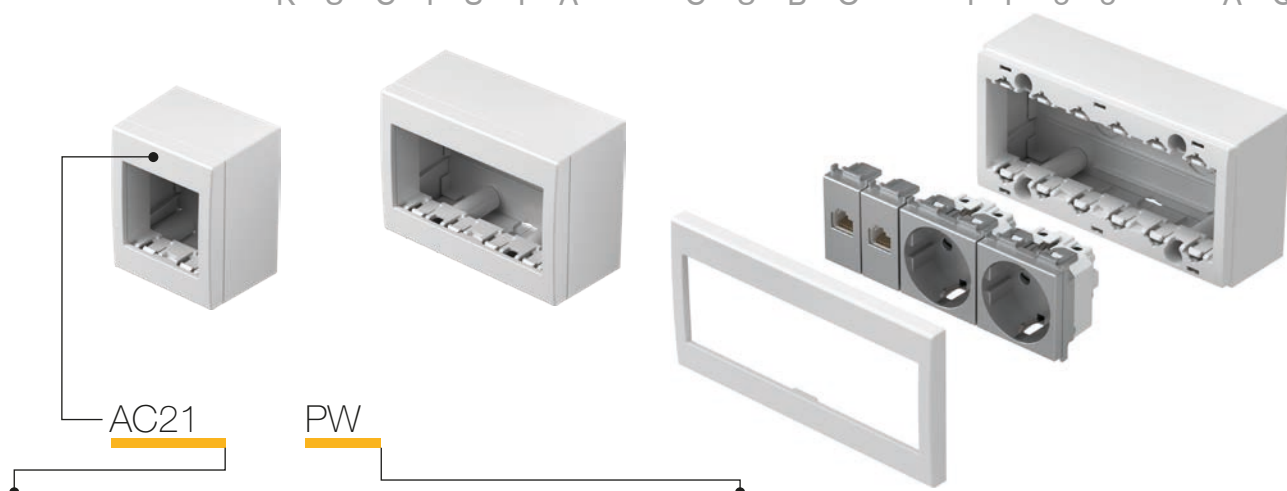


163

RAZDJELNICI MO  
DISTRIBUTION BOARDS MO



166



tip type	naziv description	tehnički podaci technical data	veličina size	boja colour
AC11	NADŽBUKNA KUTIJA SA STRAŽNJIM POKLOPCEM SURFACE MOUNT BOX WITH BACK SIDE COVER	IP20	1M	<input type="checkbox"/> PW <i>bijela sjajna</i> <i>polar white</i>
AC21	NADŽBUKNA KUTIJA SA STRAŽNJIM POKLOPCEM SURFACE MOUNT BOX WITH BACK SIDE COVER	IP20	2M	<input type="checkbox"/> ES <i>srebrna mat</i> <i>elox silver</i>
				<input type="checkbox"/> IW <i>bež sjajna</i> <i>ivory white</i>
AC41	NADŽBUKNA KUTIJA SA STRAŽNJIM POKLOPCEM SURFACE MOUNT BOX WITH BACK SIDE COVER	IP20	4M	

distribucija

**KUTIJA NO CUBO SA STRAŽNJIM POKLOPCEM IP20 1M**



- AC11PW
- AC11ES
- AC11IW

- kutija IP20 1M
- za nadžbukno pričvršćivanje elemenata
- prikladno za SM sklopke
- sukladno normi EN 60669-1



- BOX NO CUBO WITH BACK SIDE COVER IP20 1M**
- box IP20 1M
  - for surface mounting of elements
  - suitable to SM switches
  - in accordance with EN 60669-1

**KUTIJA NO CUBO SA STRAŽNJIM POKLOPCEM IP20 2M**



- AC21PW
- AC21ES
- AC21IW

- kutija IP20 2M
- za nadžbukno pričvršćivanje elemenata
- sukladno normama EN 60669-1, EN60884-1



- BOX NO CUBO WITH BACK SIDE COVER IP20 2M**
- box IP20 2M
  - for surface mounting of elements
  - in accordance with EN 60669-1, EN60884-1

**KUTIJA NO CUBO SA STRAŽNJIM POKLOPCEM IP20 4M**



- AC41PW
- AC41ES
- AC41IW

- kutija IP20 4M
- za nadžbukno pričvršćivanje elemenata
- sukladno normama EN 60669-1, EN60884-1



- BOX NO CUBO WITH BACK SIDE COVER IP20 4M**
- box IP20 4M
  - for surface mounting of elements
  - in accordance with EN 60669-1, EN60884-1

**KUTIJA NO CUBO SA STRAŽNJIM POKLOPCEM IP20 6M**

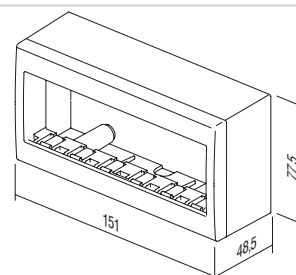
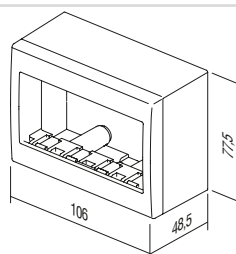
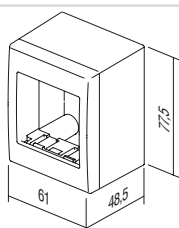
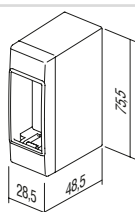


- AC61PW
- AC61ES
- AC61IW

- kutija IP20 6M
- za nadžbukno pričvršćivanje elemenata
- sukladno normama EN 60669-1, EN60884-1



- BOX NO CUBO WITH BACK SIDE COVER IP20 6M**
- box IP20 6M
  - for surface mounting of elements
  - in accordance with EN 60669-1, EN60884-1



## B O X E S C U B O I P 5 5 A Q



tip type	naziv description	tehnički podaci technical data	veličina size	boja colour
AQ20	VANJSKA NADŽBUKNA KUTIJA OUTDOOR SURFACE MOUNT BOX	IP55	2M	<input type="checkbox"/> PW bijela sjajna polar white
AQ22	VANJSKA NADŽBUKNA KUTIJA OUTDOOR SURFACE MOUNT BOX	IP55	2x2M	<input type="checkbox"/> GY siva grey
AQ30	VANJSKA NADŽBUKNA KUTIJA OUTDOOR SURFACE MOUNT BOX	IP55	3M	
AQ31	VANJSKA NADŽBUKNA KUTIJA OUTDOOR SURFACE MOUNT BOX	IP55	3M	

## KUTIJA NO CUBO IP55 2M



- AQ20PW  
 AQ20GY

- kutija IP55 2M
- za nadžbukno pričvršćivanje
- IP55 za ugradnju u vlažnom prostoru
- sukladno normama CEI 23-48, EN 60670

## BOX NO CUBO IP55 2M

- box IP55 2M
- for surface mounting
- IP55 for usage in humid areas
- in accordance with CEI 23-48, EN 60670



## KUTIJA NO CUBO IP55 2x2M



- AQ22PW  
 AQ22GY

- kutija IP55 2x2M
- za nadžbukno pričvršćivanje
- IP55 za ugradnju u vlažnom prostoru
- sukladno normama CEI 23-48, EN 60670

## BOX NO CUBO IP55 2x2M

- box IP55 2x2M
- for surface mounting
- IP55 for usage in humid areas
- in accordance with CEI 23-48, EN 60670



## KUTIJA NO CUBO IP55 3M



- AQ30PW  
 AQ30GY

- kutija IP55 3M
- za nadžbukno pričvršćivanje
- IP55 za ugradnju u vlažnom prostoru
- sukladno normama CEI 23-48, EN 60670

## BOX NO CUBO IP55 3M

- box IP55 3M
- for surface mounting
- IP55 for usage in humid areas
- in accordance with CEI 23-48, EN 60670



## KUTIJA PO CUBO IP55 3M

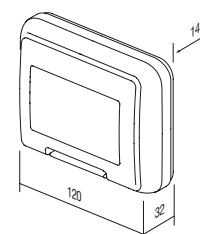
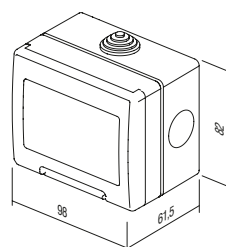
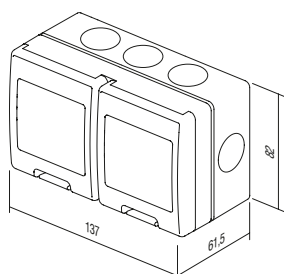
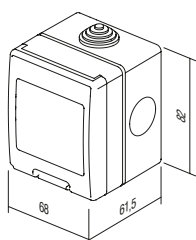


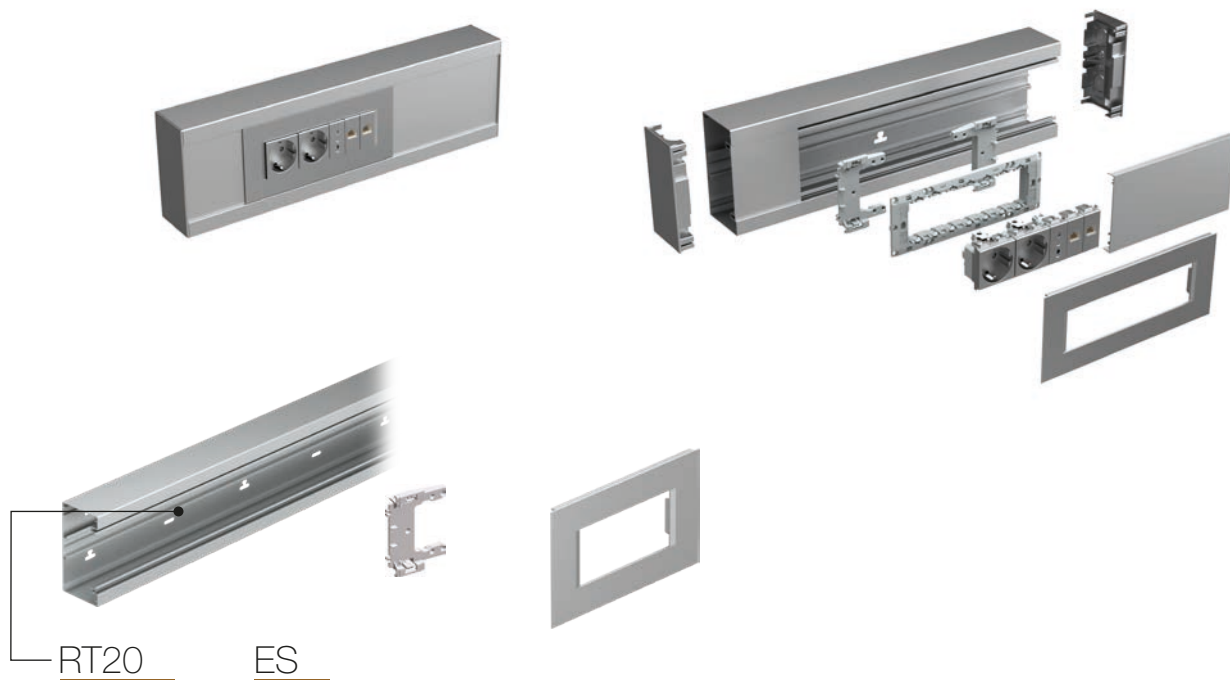
- AQ31PW  
 AQ31GY

- kutija IP55 3M
- za podžbukno pričvršćivanje
- IP55 za ugradnju u vlažnom prostoru
- sukladno normama CEI 23-48, EN 60670

## BOX PO CUBO IP55 3M

- box IP55 3M
- for flush mounting
- IP55 for usage in humid areas
- in accordance with CEI 23-48, EN 60670





tip type	naziv description	veličina size	boja colour
RT10	ADAPTER MA 92 ADAPTER MA 92	/	■ ES srebrna mat elox silver-mat
RT12	POKLOPAC MA 92 COVER PLATE MA 92	2/3M	□ PW bijela mat (RAL 9016) white-mat
RT14	POKLOPAC MA 92 COVER PLATE MA 92	4M	
...	...	...	

**ADAPTER MA 92**



RT10

- adapter za pričvršćivanje nosača 2/3M, 4M ili 7M na kanal MA bez kutije  
- za svaki su nosač potrebna dva adaptera  
- sukladno normi EN 50085-1

**ADAPTER MA 92**

- adapter for fixing mounting frames 2/3M, 4M or 7M on MA trunking without box  
- each mounting frame needs two adapters  
- in accordance with EN 50085-1



**POKLOPAC MA 92 2/3M**

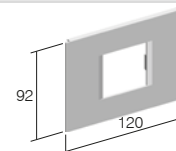


■ RT12ES  
□ RT12PW

- dekorativni poklopac MA 2/3M  
- sukladno normi EN 50085-1

**COVER PLATE MA 92 2/3M**

- decorative cover plate MA 2/3M  
- in accordance with EN 50085-1



**POKLOPAC MA 92 4M**

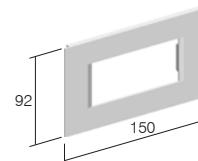


■ RT14ES  
□ RT14PW

- dekorativni poklopac MA 4M  
- sukladno normi EN 50085-1

**COVER PLATE MA 92 4M**

- decorative cover plate MA 4M  
- in accordance with EN 50085-1



**POKLOPAC MA 92 7M**

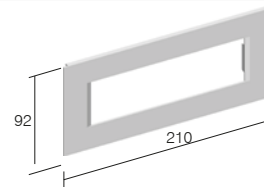


■ RT17ES  
□ RT17PW

- dekorativni poklopac MA 7M  
- sukladno normi EN 50085-1

**COVER PLATE MA 92 7M**

- decorative cover plate MA 7M  
- in accordance with EN 50085-1





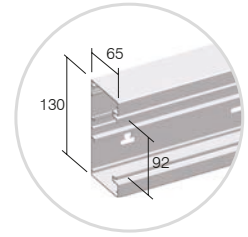
**OSNOVA KANALA MA 130x65**

- RT20ES
- RT20PW

- osnova kanala od ekstrudiranog aluminija
- visina 130 mm, duljina 2 m
- DIN tračnica 35 mm na dnu
- sukladno normi EN 50085-1

**TRUNKING BASE MA 130x65**

- trunking base from extruded aluminium
- height 130mm, length 2m
- DIN - rail 35mm shape on bottom
- in accordance with EN 50085-1

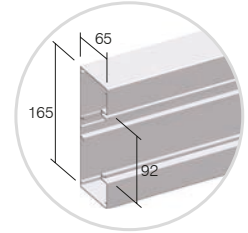
**OSNOVA KANALA MA 165x65**

- RT21ES
- RT21PW

- osnova kanala od ekstrudiranog aluminija
- visina 165mm, duljina 2 m
- DIN tračnica 35 mm na dnu
- sukladno normi EN 50085-1

**TRUNKING BASE MA 165x65**

- trunking base from extruded aluminium
- height 165mm, length 2m
- DIN - rail 35mm shape on bottom
- in accordance with EN 50085-1

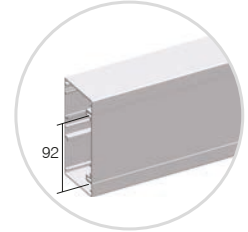
**POKLOPAC KANALA MA 92**

- RT25ES
- RT25PW

- poklopac kanala od ekstrudiranog aluminija
- visina 92mm, duljina 2 m
- sukladno normi EN 50085-1

**FRONT COVER MA 92**

- front cover from extruded aluminium
- height 92mm, length 2m
- in accordance with EN 50085-1

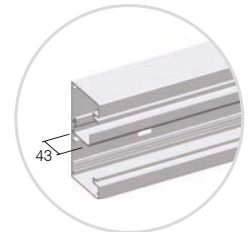
**PREGRADA MA 43**

RT30

- pregrada od ekstrudiranog polimera
- dubina 43 mm, duljina 2 m
- sukladno normi EN 50085-1

**CABLE SHELF MA 43**

- cable shelf from extruded polymer
- depth 43mm, length 2m
- in accordance with EN 50085-1

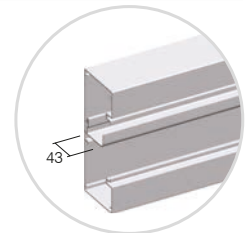
**PREGRADA MA 43 AL**

RT31

- pregrada od ekstrudiranog aluminija
- dubina 43 mm, duljina 2 m
- sukladno normi EN 50085-1

**CABLE SHELF MA 43 AL**

- cable shelf from extruded aluminium
- depth 43mm, length 2m
- in accordance with EN 50085-1

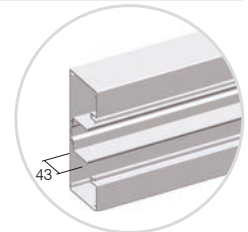
**PREGRADA MA 43 AL DVOSTRUKA**

RT32

- dvostruka pregrada od ekstrudiranog aluminija
- dubina 43 mm, duljina 2 m
- sukladno normi EN 50085-1

**CABLE SHELF MA 43 AL DOUBLE**

- double cable shelf from extruded aluminium
- depth 43mm, length 2m
- in accordance with EN 50085-1



### ZAVRŠNI ELEMENT MA 130x65

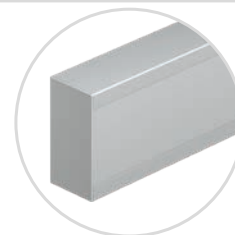


- RT35ES
- RT35PW

- završni element od polimera
- visina 130mm
- sukladno normi EN 50085-1

#### STOP END MA 130x65

- stop end element from polymer
- height 130mm
- in accordance with EN 50085-1



### ZAVRŠNI ELEMENT MA 165x65

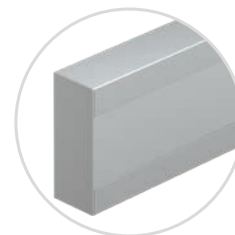


- RT36ES
- RT36PW

- završni element od metala
- visina 165mm
- sukladno normi EN 50085-1

#### STOP END MA 165x65

- stop end element from metal
- height 165mm
- in accordance with EN 50085-1



### SET SPOJNI ELEMENT MA 65

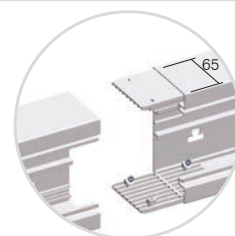


RT38

- spojni element od polimera
- set sadrži 2 spojna elementa i vijke
- sukladno normi EN 50085-1

#### SET JOINING PIECE MA 65

- joining piece from polymer
- set contains two pieces and screws
- in accordance with EN 50085-1



### UNIVERZALNI KUT MA 130x65



- RT40ES
- RT40PW

- univerzalni kutni element
- visina 130mm
- sukladno normi EN 50085-1

#### UNIVERSAL CORNER MA 130x65

- universal corner element
- height 130mm
- in accordance with EN 50085-1



### UNIVERZALNI KUT MA 165x65



- RT41ES
- RT41PW

- univerzalni kutni element
- visina 165mm
- sukladno normi EN 50085-1

#### UNIVERSAL CORNER MA 165x65

- universal corner element
- height 165mm
- in accordance with EN 50085-1



### ELEMENT ZA UZEMLJENJE MA 2x A6.3

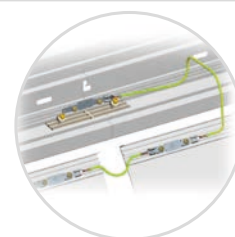


RT42

- element za uzemljenje osnove kanala i poklopca
- sukladno normi EN 50085-1

#### EARTHING PIECE MA 2x A6.3

- earthing piece for earthing of trunking base and front cover
- in accordance with EN 50085-1



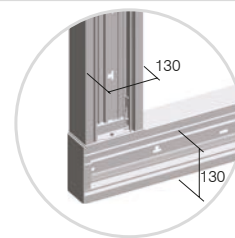
**L-KOMAD ELEMENT MA 130x65**

- RT43ES
- RT43PW

- univerzalni L-komad od aluminija
- visina 130 mm, dužina 400mm
- sukladno normi EN 50085-1

**L-BEND MA 130x65**

- universal L bend element from aluminium
- height 130mm, length 400mm
- in accordance with EN 50085-1

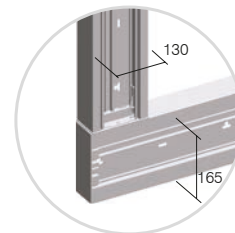
**L-KOMAD ELEMENT MA 165x65**

- RT44ES
- RT44PW

- univerzalni L-komad od aluminija
- visina 165mm, dužina 400mm
- za povezivanje na MA 130x65
- sukladno normi EN 50085-1

**L-BEND MA 165x65**

- universal L bend element from aluminium
- height 165mm, length 400mm
- connection on MA 130x65
- in accordance with EN 50085-1

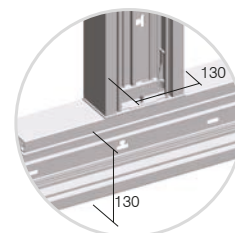
**T-KOMAD MA 130x65**

- RT45ES
- RT45PW

- univerzalni T-komad od aluminija
- visina 130 mm, dužina 400mm
- sukladno normi EN 50085-1

**T-BEND MA 130x65**

- universal T bend element from aluminium
- height 130mm, length 400mm
- in accordance with EN 50085-1

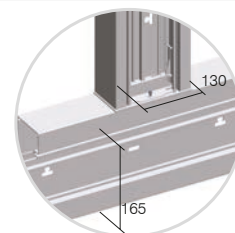
**T-KOMAD MA 165x65**

- RT46ES
- RT46PW

- univerzalni T-komad od aluminija
- visina 165mm, dužina 400mm
- za povezivanje na MA 130x65
- sukladno normi EN 50085-1

**T-BEND MA 165x65**

- universal T bend element from aluminium
- height 165mm, length 400mm
- connection on MA 130x65
- in accordance with EN 50085-1



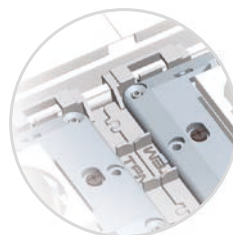
MA parapetni kanali temelje se na modularnom sustavu s kombinacijama elemenata veličine 2M, 4M ili 7M

*MA trunking is based on modular system making 2M, 4M or 7M combinations of elements*



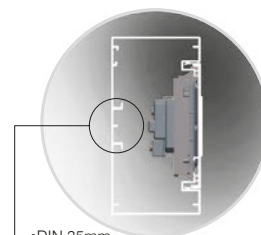
Modul sadrži posebne elemente pripremljene za brzu instalaciju

*In Modul we provide special elements for quick installation*



Adapter MA omogućuje točno postavljanje bez dodatnog napora

*With Adapter MA exact positioning without extra effort is provided*



Montaža bez kutije znači više prostora za kablove, DIN tračnica ima oblik sukladan normi EN 60715

*Mounted without box means more space for cables, DIN-rail base shape EN-60715*



### NOSAČ STUPIĆA MA JEDNOSTRUKI 130x65



- RT50ES
- RT50PW

- nosač za pričvršćivanje kanala MA130 na podu i/ili na stropu  
- sukladno normi EN 50085-1

#### FIXING PLATE MA SINGLE 130x65

- fixing plate for fixing trunking base MA130 on the floor and/or on the ceiling  
- in accordance with EN 50085-1



- RT51ES
- RT51PW

### NOSAČ STUPIĆA MA DVOSTRUKI 130x65

- nosač za pričvršćivanje dva kanala MA130 na podu i/ili na stropu  
- sukladno normi EN 50085-1

#### FIXING PLATE MA DOUBLE 130x65

- fixing plate for fixing two trunking bases MA130 on the floor and/or on the ceiling  
- in accordance with EN 50085-1



- RT52ES
- RT52PW

### STUPIĆ MA 130x65x500

- stupić MA  
- visina 500mm  
- nosač 7M ugrađen  
- sukladno normi EN 50085-1

#### SERVICE POST MA 130x65x500

- service post MA  
- height 500mm  
- mounting frame 7M included  
- in accordance with EN 50085-1



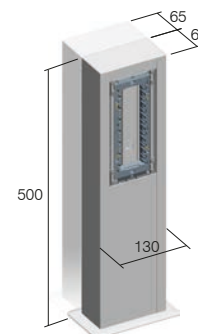
- RT53ES
- RT53PW

### STUPIĆ MA DVOSTRUKI 130x130x500

- stupić MA dvostruki  
- visina 500mm  
- nosači 7M ugrađeni  
- sukladno normi EN 50085-1

#### SERVICE POST MA DOUBLE 130x130x500

- service post MA double  
- height 500mm  
- mounting frames 7M included  
- in accordance with EN 50085-1



Cable intersection mm <sup>2</sup>	Poprečni presjek vodiča / Cable cross-section (mm <sup>2</sup> )				
	1 vodič / 1 wire	2 vodiča / 2 wires	3 vodiča / 3 wires	4 vodiča / 4 wires	5 vodiča / 5 wires
1,5	44	111	121	144	169
2,5	49	133	157	169	211
4	58	169	183	211	256
6	68	196	225	256	307

Kapacitet parapetnog kanala / Trunk capacity				
Kanal / Trunk	MA 130x65 prazan / empty	MA 130x65 s Modul sklopkama i utičnicama / with Modul switches and sockets	MA 165x65 prazan / empty	MA 130x65 s Modul sklopkama i utičnicama / with Modul switches and sockets
kapaciteta capacity max ø	7600 mm <sup>2</sup> 54 mm	5500 mm <sup>2</sup> 2x42 mm	9900 mm <sup>2</sup> 54 mm	7800 mm <sup>2</sup> 2x42 mm

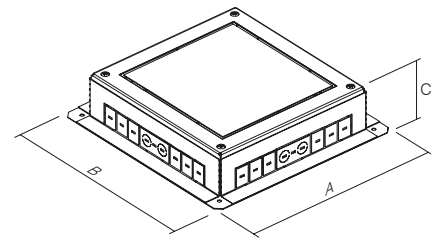
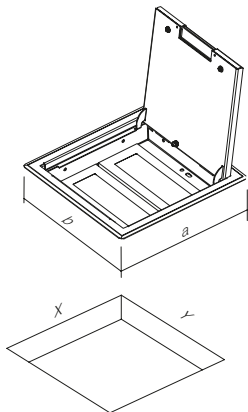
F L O O R B O X E S M T



RB33

tip type	naziv description	tehnički podaci technical data
RB30	PODNA KUTIJA FLOOR BOX	MT 7
RB31	SPOJNA PRIRUBNICA PODNE KUTIJE FLOOR BOX FLANGE	MT 7
RB33	PODNA KUTIJA FLOOR BOX	MT 14
·	·	·
·	·	·

	RB30	RB33	RB36	RB40	RB43	RB46
a	170	260	350	170	260	350
b	260	260	260	260	260	260
X	140	230	320	140	230	320
Y	230	230	230	230	230	230



	RB31	RB34	RB37	RB41	RB44	RB47
A	250	340	430	250	340	430
B	340	340	340	340	340	340
C	95-125	95-125	95-125	125-150	125-150	125-150



**PODNA KUTIJA MT 7**



RB30

- podna kutija MT 7
- metalna, srebrne boje RAL 9006
- nosač MODUL 7M ugrađen
- ugradne dimenzije 140x230 mm, dubina min. 95 mm
- debljina podne obloge poklopca do 10 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX MT 7**

- floor box MT 7
- metal, colour silver RAL 9006
- mounting frame MODUL 7M included
- mounting dimensions 140x230mm, depth min 95mm
- floor lining thickness up to 10mm
- in accordance with EN 50085-1 and EN 50085-2-2

**PODNA KUTIJA MT 7 H = 88mm**



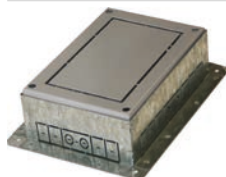
RB40

- podna kutija MT 7
- metalna, srebrne boje RAL 9006
- nosač MODUL 7M ugrađen
- ugradne dimenzije 140x230 mm, dubina min. 120mm
- debljina podne obloge poklopca do 10 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX MT 7 H=88mm**

- floor box MT 7
- metal, colour silver RAL 9006
- mounting frame MODUL 7M included
- mounting dimensions 140x230mm, depth min 120mm
- floor lining thickness up to 10mm
- in accordance with EN 50085-1 and EN 50085-2-2

**SPOJNA PRIRUBNICA PODNE KUTIJE MT 7**



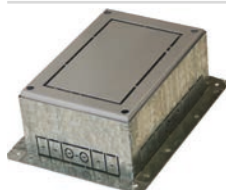
RB31

- spojna prirubnica podne kutije za poklopac MT 7
- metalna, galvanizirana
- za ugradnju u pod ili dvostruki pod
- prilagodljiva visina 95-125 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX FLANGE MT 7**

- floor box flange for box cover MT 7
- metal, galvanized
- for installation in a floor or double floor
- adjustable height 95-125mm
- in accordance with EN 50085-1 and EN 50085-2-2

**SPOJNA PRIRUBNICA PODNE KUTIJE MT 7 H = 88mm**



RB41

- spojna prirubnica podne kutije za poklopac MT 7 H = 88 mm
- metalna, galvanizirana
- za ugradnju u pod ili dvostruki pod
- prilagodljiva visina 125-150mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX FLANGE MT 7 H=88mm**

- floor box flange for box cover MT 7 H=88mm
- metal, galvanized
- for installation in a floor or double floor
- adjustable height 125-150mm
- in accordance with EN 50085-1 and EN 50085-2-2

**PODNA KUTIJA MT 14**



RB33

- podna kutija MT 14
- metalna, srebrne boje RAL 9006
- nosači MODUL 2x7M ugrađeni
- ugradne dimenzije 230x230 mm, dubina min. 95 mm
- debljina podne obloge poklopca do 10 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX MT 14**

- floor box MT 14
- metal, colour silver RAL 9006
- mounting frames MODUL 2x7M included
- mounting dimensions 230x230mm, depth min 95mm
- floor lining thickness up to 10mm
- in accordance with EN 50085-1 and EN 50085-2-2

**PODNA KUTIJA MT 14 H = 88mm**

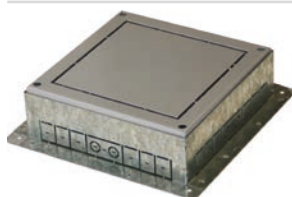


RB43

- podna kutija MT 14
- metalna, srebrne boje RAL 9006
- nosači MODUL 2x7M ugrađeni
- ugradne dimenzije 230x230 mm, dubina min. 120mm
- debljina podne obloge poklopca do 10 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX MT 14 H=88mm**

- floor box MT 14
- metal, colour silver RAL 9006
- mounting frames MODUL 2x7M included
- mounting dimensions 230x230mm, depth min 120mm
- floor lining thickness up to 10mm
- in accordance with EN 50085-1 and EN 50085-2-2

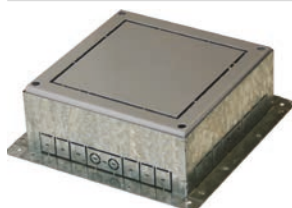
**SPOJNA PRIRUBNICA PODNE KUTIJE MT 14**

RB34

- spojna prirubnica podne kutije za poklopac MT 14
- metalna, galvanizirana
- za ugradnju u pod ili dvostruki pod
- prilagodljiva visina 95-125 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX FLANGE MT 14**

- floor box flange for box cover MT 14
- metal, galvanized
- for installation in a floor or double floor
- adjustable height 95-125mm
- in accordance with EN 50085-1 and EN 50085-2-2

**SPOJNA PRIRUBNICA PODNE KUTIJE MT 14 H = 88mm**

RB44

- spojna prirubnica podne kutije za poklopac MT 14 H = 88 mm
- metalna, galvanizirana
- za ugradnju u pod ili dvostruki pod
- prilagodljiva visina 125-150mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX FLANGE MT 14 H=88mm**

- floor box flange for box cover MT 14 H=88mm
- metal, galvanized
- for installation in a floor or double floor
- adjustable height 125-150mm
- in accordance with EN 50085-1 and EN 50085-2-2

**PODNA KUTIJA MT 21**

RB36

- podna kutija MT 21
- metalna, srebrne boje RAL 9006
- nosači MODUL 3x7M ugrađeni
- ugradne dimenzije 320x230 mm, dubina min. 95 mm
- debljina podne obloge poklopca do 10 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX MT 21**

- floor box MT 21
- metal, colour silver RAL 9006
- mounting frames MODUL 3x7M included
- mounting dimensions 320x230mm, depth min 95mm
- floor lining thickness up to 10mm
- in accordance with EN 50085-1 and EN 50085-2-2

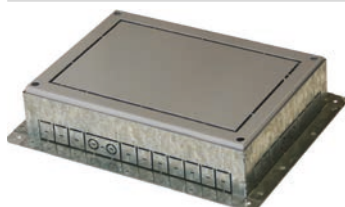
**PODNA KUTIJA MT 21 H = 88mm**

RB46

- podna kutija MT 21
- metalna, srebrne boje RAL 9006
- nosači MODUL 3x7M ugrađeni
- ugradne dimenzije 320x230 mm, dubina min. 120mm
- debljina podne obloge poklopca do 10 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX MT 21 H=88mm**

- floor box MT 21
- metal, colour silver RAL 9006
- mounting frames MODUL 3x7M included
- mounting dimensions 320x230mm, depth min 120mm
- floor lining thickness up to 10mm
- in accordance with EN 50085-1 and EN 50085-2-2

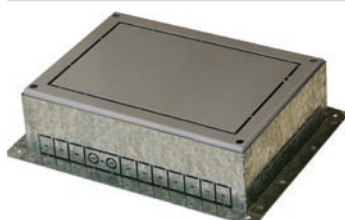
**SPOJNA PRIRUBNICA PODNE KUTIJE MT 21**

RB37

- spojna prirubnica podne kutije za poklopac MT 21
- metalna, galvanizirana
- za ugradnju u pod ili dvostruki pod
- prilagodljiva visina 95-125 mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX FLANGE MT 21**

- floor box flange for box cover MT 21
- metal, galvanized
- for installation in a floor or double floor
- adjustable height 95-125mm
- in accordance with EN 50085-1 and EN 50085-2-2

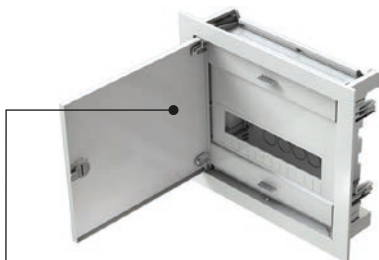
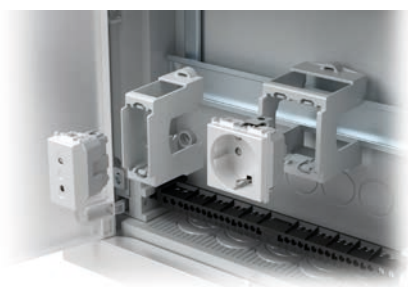
**SPOJNA PRIRUBNICA PODNE KUTIJE MT 21 H = 88mm**

RB47

- spojna prirubnica podne kutije za poklopac MT 21 H = 88 mm
- metalna, galvanizirana
- za ugradnju u pod ili dvostruki pod
- prilagodljiva visina 125-150mm
- sukladno normama EN 50085-1 i EN 50085-2-2

**FLOOR BOX FLANGE MT 21 H=88mm**

- floor box flange for box cover MT 21 H=88mm
- metal, galvanized
- for installation in a floor or double floor
- adjustable height 125-150mm
- in accordance with EN 50085-1 and EN 50085-2-2



RB20

distribucija

tip type	naziv description	tehnički podaci technical data
RB10	ADAPTER ZA DIN TRAČNICU ADAPTER FOR DIN RAIL	35mm 1M
RB11	ADAPTER ZA DIN TRAČNICU ADAPTER FOR DIN RAIL	35mm 2M
RB20	RAZDJELNI ORMARIĆ DISTRIBUTION BOX	MO 12+2
...	...	...

**ADAPTER ZA DIN TRAČNICU 35mm 1M**

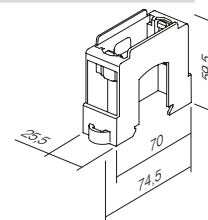


RB10

- adapter MODUL 1M
- za Din tračnicu 35 mm
- sukladno normi EN 50022

**ADAPTER FOR DIN RAIL 35mm 1M**

- adapter MODUL 1M
- for DIN rail 35mm
- in accordance with EN 50022



**ADAPTER ZA DIN TRAČNICU 35mm 2M**

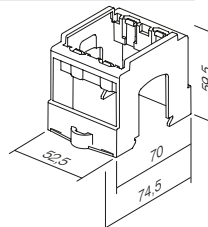


RB11

- adapter MODUL 2M
- za Din tračnicu 35 mm
- sukladno normi EN 50022

**ADAPTER FOR DIN RAIL 35mm 2M**

- adapter MODUL 2M
- for DIN rail 35mm
- in accordance with EN 50022



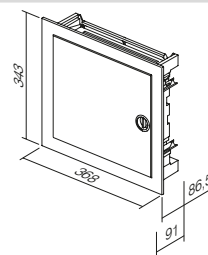
**RAZDJELNI ORMARIĆ MO 12 + 2**

RB20

- razdjelni ormarić MO jedan red 12+2MU
- 400V ~, razred II, IP40
- metalna vratašca i okvir, bijele boje RAL 9016
- priloženi konektori za vod za uzemljenje i neutralni vod
- ugradnja u zid od opeke
- sukladno normama EN 60670-1 i IEC 60670-24

**DISTRIBUTION BOX MO 12+2**

- distribution box MO single row 12+2MU
- 400V~, Class II, IP40
- metal leveling frame and door, colour white RAL 9016
- neutral and earth conductor terminals enclosed
- for brick wall mounting
- in accordance with EN 60670-1 and IEC 60670-24



RB20V0

- ugradnja u šuplje zidove
- for hollow wall mounting

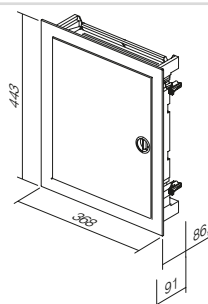
**RAZDJELNI ORMARIĆ MO 24 + 4**

RB21

- razdjelni ormarić MO dva reda 24+4MU
- 400V ~, razred II, IP40
- metalna vratašca i okvir, bijele boje RAL 9016
- priloženi konektori za vod za uzemljenje i neutralni vod
- ugradnja u zid od opeke
- sukladno normama EN 60670-1 i IEC 60670-24

**DISTRIBUTION BOX MO 24+4**

- distribution box MO double row 24+4MU
- 400V~, Class II, IP40
- metal leveling frame and door, colour white RAL 9016
- neutral and earth conductor terminals enclosed
- for brick wall mounting
- in accordance with EN 60670-1 and IEC 60670-24



RB21V0

- ugradnja u šuplje zidove
- for hollow wall mounting

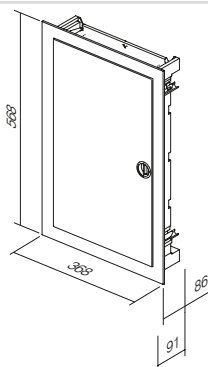
**RAZDJELNI ORMARIĆ MO 36 + 6**

RB22

- razdjelni ormarić MO tri reda 36+4MU
- 400V ~, razred II, IP40
- metalna vratašca i okvir, bijele boje RAL 9016
- priloženi konektori za vod za uzemljenje i neutralni vod
- ugradnja u zid od opeke
- sukladno normama EN 60670-1 i IEC 60670-24

**DISTRIBUTION BOX MO 36+6**

- distribution box MO triple row 36+6 MU
- 400V~, Class II, IP40
- metal leveling frame and door, colour white RAL 9016
- neutral and earth conductor terminals enclosed
- for brick wall mounting
- in accordance with EN 60670-1 and IEC 60670-24



RB22V0

- ugradnja u šuplje zidove
- for hollow wall mounting

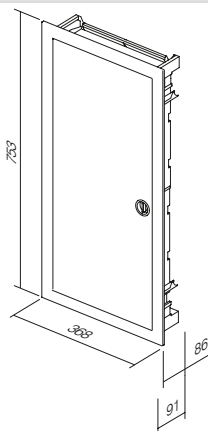
**RAZDJELNI ORMARIĆ MO 48 + 8**

RB23

- razdjelni ormarić MO četiri reda 48+4MU
- 400V ~, razred II, IP40
- metalna vratašca i okvir, bijele boje RAL 9016
- priloženi konektori za vod za uzemljenje i neutralni vod
- ugradnja u zid od opeke
- sukladno normama EN 60670-1 i IEC 60670-24

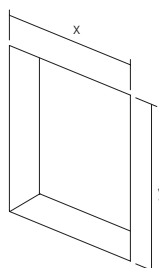
**DISTRIBUTION BOX MO 48+8**

- distribution box MO quad row 48+8 MU
- 400V~, Class II, IP40
- metal leveling frame and door, colour white RAL 9016
- neutral and earth conductor terminals enclosed
- for brick wall mounting
- in accordance with EN 60670-1 and IEC 60670-24



RB23V0

- ugradnja u šuplje zidove
- for hollow wall mounting



	RB20 RB20V0	RB21 RB21V0	RB22 RB22V0	RB23 RB23V0
x	314	314	314	314
y	314	414	539	724





ekonomik<sup>®</sup>



Planned for excellence  
Style is essential



ERGO

METAL

SOFT

Neutralan, kompaktan, elegantan dizajn može se prilagoditi svakom okruženju u kojem boravite ili radite. Ne odstupa od interijera, nego se u njega harmonično uklapa.

A neutral, compact, elegant design is adjustable to every working or living area. It does not stick out from the interior, but rather harmonically fits into it.





## Planirano za savršenstvo Stil je bitan



Čista linija nježno je zaobljena – dobro osmišljena ergonomija posebno za vas.

A pure line is slightly curved - well considered ergonomics especially for you.



Možete birati između sjajnih reflektirajućih površina i suvremenoga metalnog izgleda.

You can choose between shiny reflective surfaces and modern metallic look.



Mekoća oblika pronaći će svoje mjesto, kako u modernim interijerima tako i u onim klasičnim.

The softness of the form will find its place in modern as well as in classic interiors.

HARMONY

REFLEX

UV PROTECT

Želje mogu biti vrlo različite. Stoga smo za vas pomno odabrali mogućnosti koje vam pružaju pravi odgovor. Neutralna paleta boja dodatno će ispuniti vaš ambijent – neće vas ograničavati.

Press and the world will spring to life  
Colourful landscape between walls

Desires can be very different. Therefore we have carefully selected possibilities for you, which can offer you the right answer. A neutral palette of colours will only complement your ambient - it will not restrict it.



Doživljaj refleksije pružit će vam sjajni metali od polimera u bijeloj i bež boji. Shiny polymer materials in white and beige colours enable reflective mood.



Odabrani dekorativni metalni sloj istovremeno je i moderan i neutralan. Selected decorative metallic coat is at the same time modern and neutral.

# Pritisnite i svijet će oživjeti

## Šareni krajolik između zidova



Za sve vas, koji se želite igrati pastelnim bojama, Ekonomik Colour idealno je rješenje.

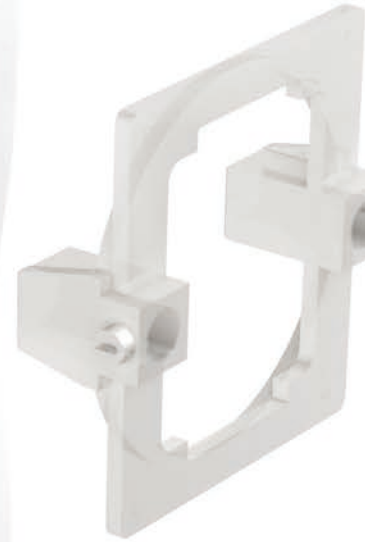
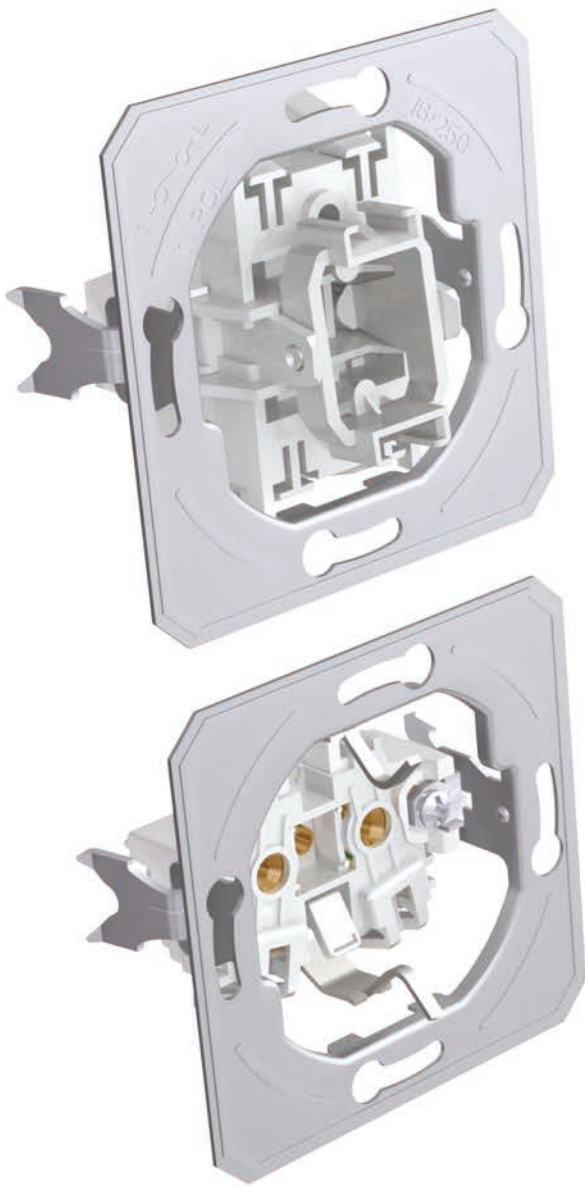
For those who want to play with pastel colours Ekonomik Color represents a perfect solution.



Robusnost i velika otpornost na vanjske utjecaje (UV) osigurane su duroplastičnim materijalom (linija Colour).

Robustness and high resistance to external effects (UV) are secured by duroplastic materials (Color line).





VERTICAL

HORIZONTAL

SAVE SPACE



Pri sestavljanju sačuvajte prostor na zidu. Ako raspoložete s malo prostora, prava je odluka „okomito“.

With combining you save space on the wall. When faced with a limited space, »vertically« is the right decision.



Kombinirajte prema vlastitoj želji.

Combine as you please.



Vidljivi elementi mogu se jednostavno demontirati. Bit će vam zahvalni i majstori.

Visible elements can be easily taken apart. Painters will be grateful to you.



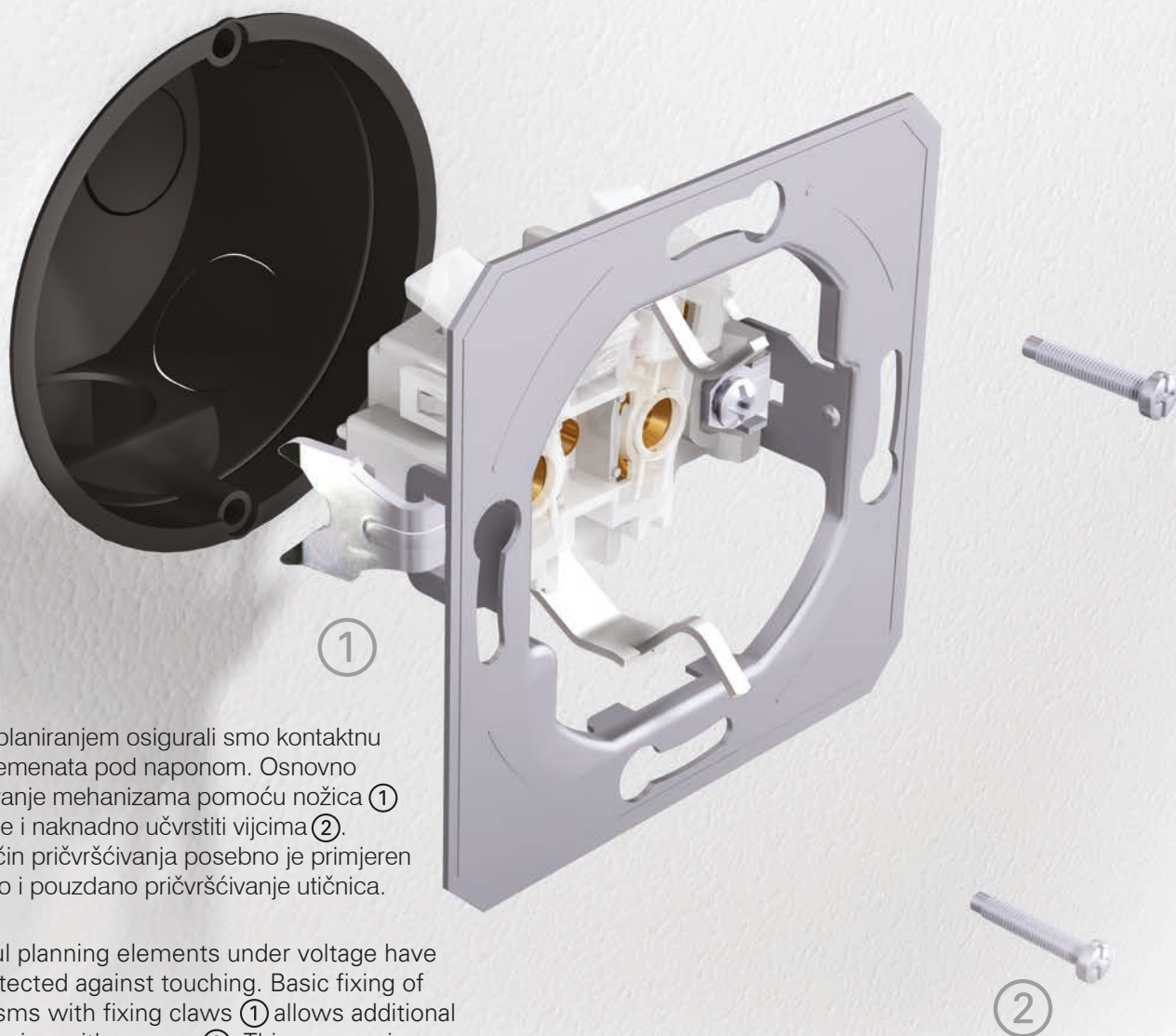
Prolonge your day with a touch  
Simplified living

## Produžite svoj dan dodirom Za jednostavniji život

Ekonomik je rješenje za sustav standardnih okruglih kutija. Pomoću njega možemo planirati kako jednostavne instalacije, novogradnje i adaptacije tako i one zahtjevnije. Sustav karakterizira spajanje bez upotrebe vijaka što će vam uštedjeti vrijeme pri ugradnji elemenata.

Ekonomik is a solution for the system of standardized round installations boxes. It can be used for simple as well as more demanding installations, new buildings and adaptations. The system is characterised by plug-in contacts which save time during installation of elements.

# Osjećajte se ugodno u sigurnom skloništu Potpuno povjerenje u dobru izgradnju



Pomnim planiranjem osigurali smo kontaktnu zaštitu elemenata pod naponom. Osnovno pričvršćivanje mehanizama pomoću nožica ① moguće je i naknadno učvrstiti vijcima ②. Takav način pričvršćivanja posebno je primjeren za sigurno i pouzdano pričvršćivanje utičnica.

By careful planning elements under voltage have been protected against touching. Basic fixing of mechanisms with fixing claws ① allows additional strengthening with screws ②. This manner is especially appropriate for safe and reliable fixing of sockets.

SIMPLE

FAST

FLEX



Dobro osmišljena konstrukcija sklopki omogućava također i jednostavno dodatno osvjetljenje.

A well-planned switch construction makes easy illumination possible also subsequently.



Spajanje bez vijaka omogućava brzo i pouzdano priključenje vodiča. Na isti se kontakt mogu pričvrstiti dva vodiča različitih presjeka.

Plug-in contacts enable quick and reliable attachment of wires. Two wires of different diameters can be attached to the same contact.

Montažne kutije olakšat će vam posao ugradnje. Zajamčene su odgovarajuće duljine.

Easy-fitting installation boxes will make your work easier. Proper lengths are guaranteed.

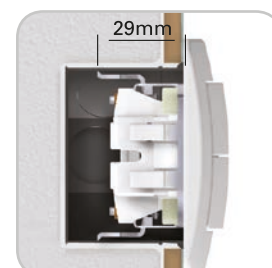


## Feeling well in a safe shelter Total confidence in a good construction

SAFE

THRUST

CERTIFIED



Nožice omogućavaju dublje pričvršćivanje (i preko keramičkih pločica i sl.)

Fixing claws enable deeper fixing (also through ceramic tiles, etc.)



Sve sklopke na prednjoj strani nose vidljivu oznaku.

All switches have a clear identification in the back.

Sklopke su testirane prema međunarodnim standardima koji jamče sigurnost i dug vijek trajanja.

Switches were tested according to international standards which guarantee safety and long life span.



Pouzdanost preklopa osiguravaju kontakti izrađeni od srebrne legure (AgNi).

Contacts made of silver alloy (Ag-Ni) guarantee safe switching.












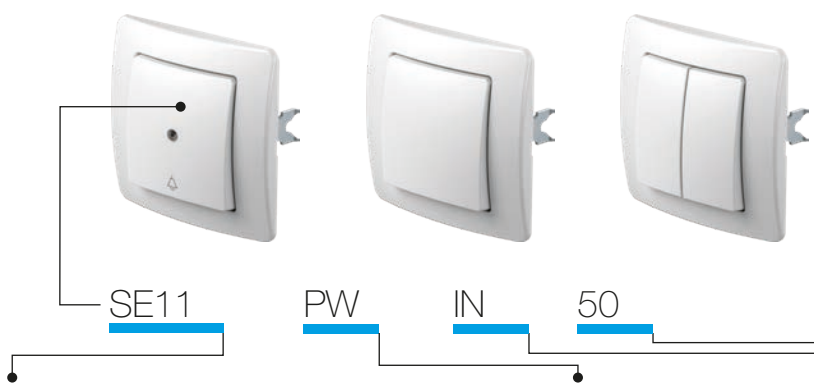
TEM







<i>SKLOPKE SE</i> <i>SWITCHES SE</i>		180
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tip type	naziv description	tehnički podaci technical data	boja colour	opcijski podaci 1 optional data 1	opcijski podaci 2 optional data 2
SE10	SKLOPKA JEDNOPOLNA SWITCH 1WAY	10AX 250V~	<input type="checkbox"/> PW bijela sjajna polar white	 NT neutralna neutral	 50
SE11	TIPKALO JEDNOPOLNO PUSH BUTTON 1WAY	10A 250V~	<input type="checkbox"/> IW bež sjajna ivory white	 IN indikator indicator	 51
SE22	SKLOPKA DVOPOLNA SWITCH 2POLE	16AX 250V~	<input type="checkbox"/> ES srebrna mat elox silver		 03
...	...	...	<input type="checkbox"/> CO bijeli duroplast white thermoset		 04
...	...	...	<input type="checkbox"/> NB crna sjajna night black		...

**SKLOPKA JEDNOPOLNA 10AX 250V ~**

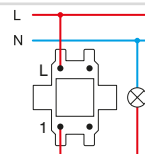


SE10

- 10AX 250V~, tip SE10
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**SWITCH 1WAY 10AX 250V~**

- 10AX 250V~, type SE10
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



**TIPKALO JEDNOPOLNO 10A 250V ~**

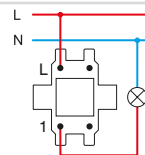
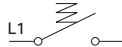


SE11

- 10A 250V~, tip SE11
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**PUSH BUTTON 1WAY 10A 250V~**

- 10A 250V~, type SE11
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



**SKLOPKA DVOPOLNA 16AX 250V ~**

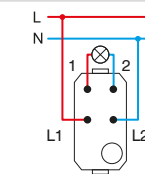
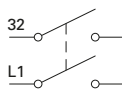


SE22

- 16AX 250V~, tip SE22
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- samo u kombinaciji s tipkom TE10\_\_NT03

**SWITCH 2POLE 16AX 250V~**

- 16AX 250V~, type SE22
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>
- only in combination with button TE10\_\_NT03



**SKLOPKA SERIJSKA JEDNOPOLNA 10AX 250V ~**

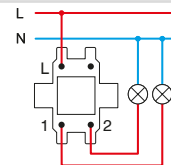
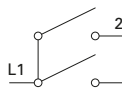


SE50

- 10AX 250V~, tip SE50
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**SWITCH 2GANG-1WAY 10AX 250V~**

- 10AX 250V~, type SE50
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>

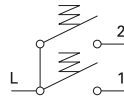


## TIPKALO SERIJSKO-JEDNOPOLNO 10A 250V ~



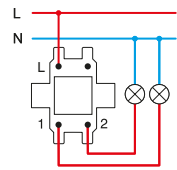
SE51

- 10A 250V~, tip SE51
- skladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>



## PUSH BUTTON 2GANG-1WAY 10A 250V~

- 10A 250V~, type SE51
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>

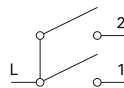


## SKLOPKA ŽALUZIJSKA 10AX 250V ~



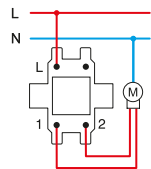
SE52

- 10AX 250V~, tip SE52
- skladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- s mehaničkom blokado



## SWITCH SHUTTERS 10AX 250V~

- 10AX 250V~, type SE52
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>
- with mechanical interblock

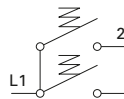


## TIPKALO ŽALUZIJSKO 10A 250V ~



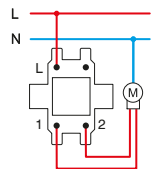
SE53

- 10A 250V~, tip SE53
- skladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- s mehaničkom blokado



## PUSH BUTTON SHUTTERS 10A 250V~

- 10A 250V~, type SE53
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>
- with mechanical interblock

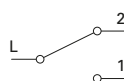


## SKLOPKA IZMJENIČNA 10AX 250V ~



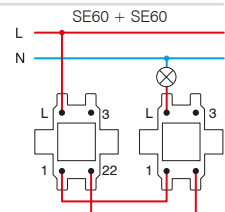
SE60

- 10AX 250V~, tip SE60
- skladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>



## SWITCH 2WAY 10AX 250V~

- 10AX 250V~, type SE60
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



## SKLOPKA IZMJENIČNA DVOSTRUKA 10AX 250V ~



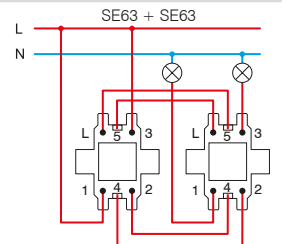
SE63

- 10AX 250V~, tip SE63
- skladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>



## SWITCH DOUBLE 2WAY 10AX 250V~

- 10AX 250V~, type SE63
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



## SKLOPKA KRIŽNA 10AX 250V ~



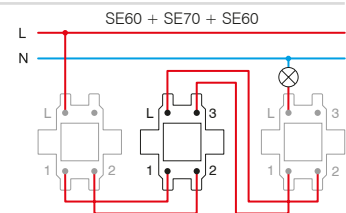
SE70

- 10AX 250V~, tip SE70
- skladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>



## SWITCH INTERMEDIATE 10AX 250V~

- 10AX 250V~, type SE70
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>





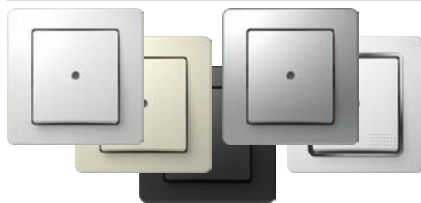
- SE10PW
- SE10IW
- SE10ES
- SE10CO
- SE10NB

**SKLOPKA JEDNOPOLNA 10AX 250V ~**

- 10AX 250V~, tip SE10
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**SWITCH 1WAY 10AX 250V~**

- 10AX 250V~, type SE10
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE10PWIN
- SE10IWIN
- SE10ESIN
- SE10COIN
- SE10NBIN

**SKLOPKA JEDNOPOLNA 10AX 250V~ \_\_ IN**

- IN indikator
- 10AX 250V~, tip SE10
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**SWITCH 1WAY 10AX 250V~ \_\_ IN**

- IN indicator
- 10AX 250V~, type SE10
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE11PW
- SE11IW
- SE11ES
- SE11CO
- SE11NB

**TIPKALO JEDNOPOLNO 10A 250V ~**

- 10A 250V~, tip SE11
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**PUSH BUTTON 1WAY 10A 250V~**

- 10A 250V~, type SE11
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE11PWTI50
- SE11IWTI50
- SE11ESTI50
- SE11COTI50
- SE11NBTI50

**TIPKALO JEDNOPOLNO 10A 250V ~ \_\_ TI 50**

- TI 50 indikator zvono + neonska tinjalica
- 10A 250V~, tip SE11
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**PUSH BUTTON 1WAY 10A 250V~ \_\_ TI 50**

- TI 50 indicator bell+neon lamp
- 10A 250V~, type SE11
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE11PWTI51
- SE11IWTI51
- SE11ESTI51
- SE11COTI51
- SE11NBTI51

**TIPKALO JEDNOPOLNO 10A 250V ~ \_\_ TI 51**

- TI 51 indikator svjetlo + neonska tinjalica
- 10A 250V~, tip SE11
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**PUSH BUTTON 1WAY 10A 250V~ \_\_ TI 51**

- TI 51 indicator light+neon lamp
- 10A 250V~, type SE11
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE11PWIL
- SE11IWIL
- SE11ESIL
- SE11COIL
- SE11NBIL

**TIPKALO JEDNOPOLNO 10A 250V ~ \_\_ IL**

- IL natpisna pločica
- 10A 250V~, tip SE11
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

**PUSH BUTTON 1WAY 10A 250V~ \_\_ IL**

- IL inscription plate
- 10A 250V~, type SE11
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE22PWIN03
- SE22IWIN03
- SE22ESIN03
- SE22NBIN03

**SKLOPKA DVOPOLNA 16AX 250V~ \_\_ IN 03**

- IN 03 neutralna 0-1
- 16AX 250V~, tip SE22
- sukladno normi EN 60669-1
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>

**SWITCH 2POLE 16AX 250V~ \_\_ IN 03**

- IN 03 neutral 0-1
- 16AX 250V~, type SE22
- in accordance with EN 60669-1
- screw contacts 1.5-2.5mm<sup>2</sup>





- SE50PW
- SE50IW
- SE50ES
- SE50CO
- SE50NB

#### SKLOPKA SERIJSKA-JEDNOPOLNA 10AX 250V ~

- 10AX 250V~, tip SE50
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH 2GANG-1WAY 10AX 250V~

- 10AX 250V~, type SE50
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE51PW
- SE51IW
- SE51ES
- SE51CO
- SE51NB

#### TIPKALO SERIJSKO-JEDNOPOLNO 10A 250V ~

- 10A 250V~, tip SE51
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

#### PUSH BUTTON 2GANG-1WAY 10A 250V~

- 10A 250V~, type SE51
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE52PWNT09
- SE52IWNT09
- SE52ESNT09
- SE52CONT09
- SE52NBNT09

#### SKLOPKA ŽALUZIJSKA 10AX 250V ~ \_\_ NT 09

- NT 09 neutralno gore-dolje
- 10AX 250V~, tip SE52
- sukladno normi EN 60669-1
- bezvijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- s mehaničkom blokadom

#### SWITCH SHUTTERS 10AX 250V~ \_\_ NT 09

- NT 09 neutral up-down
- 10AX 250V~, type SE52
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>
- with mechanical interblock



- SE53PWNT09
- SE53IWNT09
- SE53ESNT09
- SE53CONT09
- SE53NBNT09

#### TIPKALO ŽALUZIJSKO 10A 250V~ \_\_ NT 09

- NT 09 neutralno gore-dolje
- 10A 250V~, tip SE53
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- s mehaničkom blokadom

#### PUSH BUTTON SHUTTERS 10A 250V~ \_\_ NT 09

- NT 09 neutral up-down
- 10A 250V~, type SE53
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>
- with mechanical interblock



- SE60PW
- SE60IW
- SE60ES
- SE60CO
- SE60NB

#### SKLOPKA IZMJENIČNA 10AX 250V ~

- 10AX 250V~, tip SE60
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH 2WAY 10AX 250V~

- 10AX 250V~, type SE60
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SE63PW
- SE63IW
- SE63ES
- SE63CO
- SE63NB

#### SKLOPKA IZMJENIČNA DVOSTRUKA 10AX 250V ~

- 10AX 250V~, tip SE63
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH DOUBLE 2WAY 10AX 250V~

- 10AX 250V~, type SE63
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



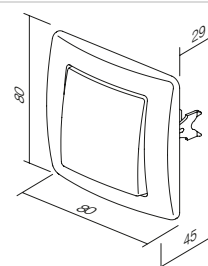
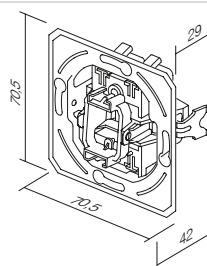
- SE70PW
- SE70IW
- SE70ES
- SE70CO
- SE70NB

#### SKLOPKA KRIŽNA 10AX 250V ~

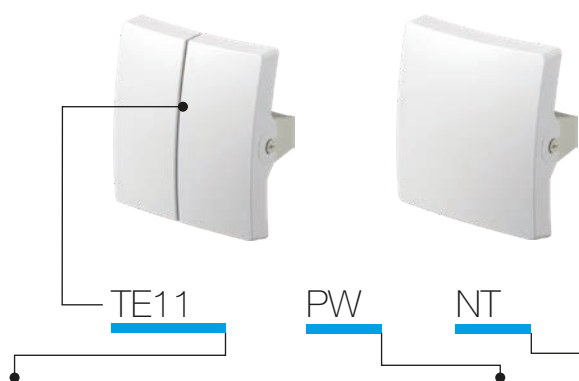
- 10AX 250V~, tip SE70
- sukladno normi EN 60669-1
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH INTERMEDIATE 10AX 250V~

- 10AX 250V~, type SE70
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>







tip type	naziv description	boja colour	opcijski podaci 1 optional data 1	opcijski podaci 2 optional data 2
TE10	TIPKA OBIČNA BUTTON 1GANG	<input type="checkbox"/> PW bijela sjajna polar white	NT neutralna neutral	50
TE11	TIPKA SERIJSKA BUTTON 2GANG	<input type="checkbox"/> IW bež sjajna ivory white	IN indikator indicator	51
...	...	<input type="checkbox"/> ES srebrna mat elox silver		03
...	...	<input type="checkbox"/> CO bijeli duroplast white thermoset		04
...	...	<input type="checkbox"/> NB crna sjajna night black		

#### TIPKA OBIČNA

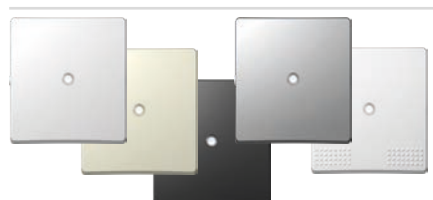


- TE10PW
- TE10IW
- TE10ES
- TE10CO
- TE10NB

- tipka zajedno s nosačem  
**BUTTON 1GANG**  
- button together with carrier



#### TIPKA INDIKATOR



- TE10PIN
- TE10IWIN
- TE10ESIN
- TE10COIN
- TE10BIN

- tipka zajedno s nosačem  
**BUTTON INDICATOR**  
- button together with carrier



#### TIPKA S NATPISNOM PLOČICOM



- TE13PWIL
- TE13IWIL
- TE13ESIL
- TE13NBIL

- tipka zajedno s nosačem, s natpisnom pločicom  
**BUTTON WITH INSCRIPTION PLATE**  
- button together with carrier, with inscription plate

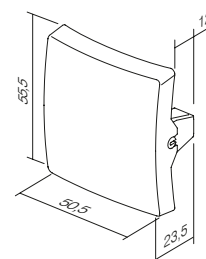
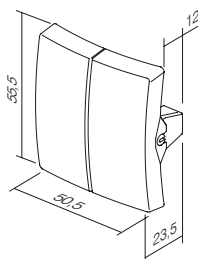


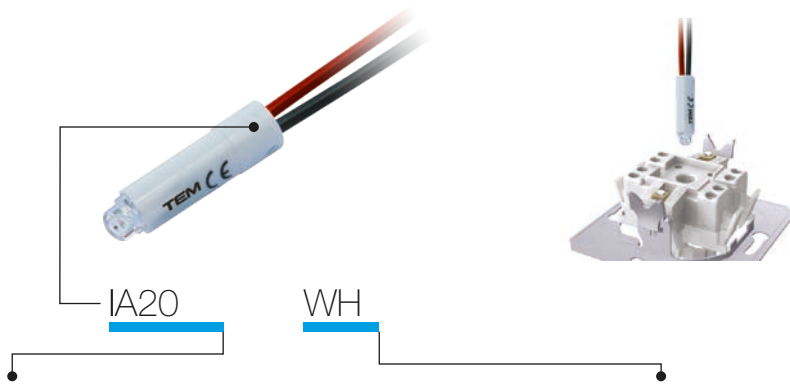
#### TIPKA SERIJSKA



- TE11PW
- TE11IW
- TE11ES
- TE11CO
- TE11NB

- tipka serijska zajedno s nosačem  
**BUTTON 2GANG**  
- button 2gang together with carrier





tip type	naziv description	tehnički podaci technical data	boja colour
IA10	NEONSKA TINJALICA NEON LAMP	230V~ 0,34W	<input type="checkbox"/> WH bijela white
IA20	LED TINJALICA LED LAMP	230V~ 0,40W	<input checked="" type="checkbox"/> BL plava blue
IA21	LED TINJALICA LED LAMP	24V AC/DC 0,20W	<input checked="" type="checkbox"/> RD crvena red
⋮	⋮	⋮	<input checked="" type="checkbox"/> GR zelena green
⋮	⋮	⋮	<input checked="" type="checkbox"/> OR narančasta orange

#### NEONSKA TINJALICA 230V~ 0,34W

IA10OR

- za indicaciju, osvjetljenje ili stalno osvjetljenje sklopke
- u kombinaciji s tipkom s indikatorom

*NEON LAMP 230V~ 0,34W*

- for indication, illumination or constant illumination of switch
- in combination with button with indicator



#### LED TINJALICA 230V AC/DC 0,40W

IA20WH  
 IA20GR  
 IA20RD  
 IA20BL

- za indicaciju, osvjetljenje ili stalno osvjetljenje sklopke
- u kombinaciji s tipkom s indikatorom

*LED LAMP 230V AC/DC 0,40W*

- for indication, illumination or constant illumination of switch
- in combination with button with indicator



#### LED TINJALICA 24V AC/DC 0,20W

IA21WH  
 IA21RD

- za indicaciju, osvjetljenje ili stalno osvjetljenje sklopke
- u kombinaciji s tipkom s indikatorom

*LED LAMP 24V AC/DC 0,20W*

- for indication, illumination or constant illumination of switch
- in combination with button with indicator



#### LED TINJALICA 12V AC/DC 0,10W

IA22WH  
 IA22RD

- za indicaciju, osvjetljenje ili stalno osvjetljenje sklopke
- u kombinaciji s tipkom s indikatorom

*LED LAMP 12V AC/DC 0,10W*

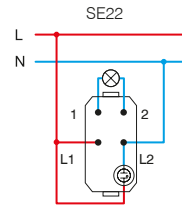
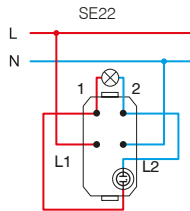
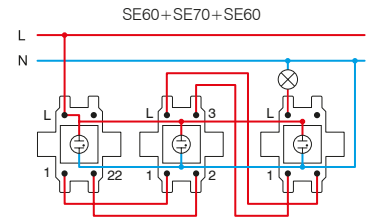
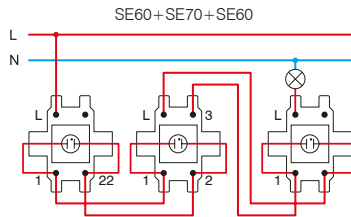
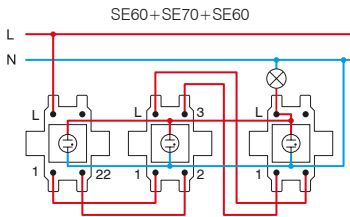
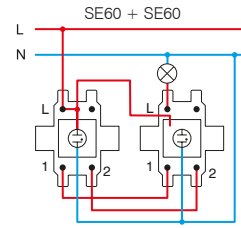
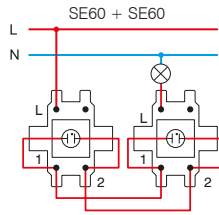
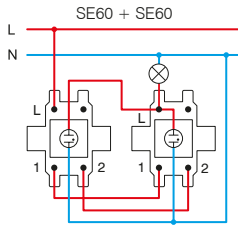
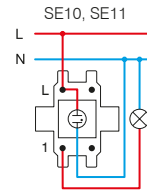
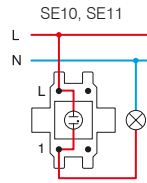
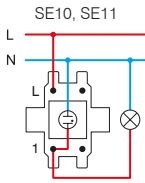
- for indication, illumination or constant illumination of switch
- in combination with button with indicator



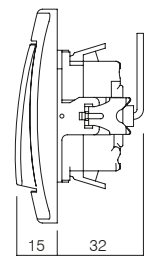
\* Indikacija /  
Indication

Rasvjetna tijela /  
Illumination

\* Osvjetljenje stalno uključeno /  
Illumination always on



\* spojne shema kompaktne fluorescentne tinjalice (CFL, LED) /  
wiring scheme for compact fluid lamp (CFL, LED)



## S O C K E T S V E

VE11      PT      XO      KS

tip type	naziv description	tehnički podaci technical data	opcijski podaci 1 optional data 1	opcijski podaci 2 optional data 2
VE10	ŠUKO UTIČNICA SOCKET SCHUKO	2P+E 16A 250V~	XO bez okvira without cover plate	KS zaštita za djecu child protection
VE11	ŠUKO UTIČNICA+POKLOPAC SOCKET SCHUKO+COVER	2P+E 16A 250V~		
VE12	ŠUKO UTIČNICA SOCKET SCHUKO	2P+E 16A 250V~ BV	KS zaštita za djecu child protection	
⋮	⋮	⋮		
⋮	⋮	⋮		

boja  
colour

<input type="checkbox"/> PW bijela sjajna polar white	<input checked="" type="checkbox"/> PT bijela+prozirna white+transparent	<input type="checkbox"/> PP bijela+bijela white+white
<input type="checkbox"/> IW bež sjajna ivory white	<input checked="" type="checkbox"/> IT bež+prozirna ivory+transparent	<input type="checkbox"/> II bež+bež ivory+ivory
<input type="checkbox"/> ES srebrna mat elox silver	<input checked="" type="checkbox"/> ST srebrna+prozirna silver+transparent	<input type="checkbox"/> SS srebrna+srebrna silver+silver
<input type="checkbox"/> CO bijeli duroplast white thermoset	<input checked="" type="checkbox"/> CT bijela+prozirna white+transparent	<input type="checkbox"/> BB crna+crna black+black
<input checked="" type="checkbox"/> NB crna sjajna night black	<input checked="" type="checkbox"/> BT crna+prozirna black+transparent	<input type="checkbox"/> RR crvena+crvena red+red
<input checked="" type="checkbox"/> RD crvena red	<input checked="" type="checkbox"/> RT crvena+prozirna red+transparent	<input type="checkbox"/> GG zelena+zelena green+green
<input checked="" type="checkbox"/> GR zelena green	<input checked="" type="checkbox"/> GT zelena+prozirna green+transparent	<input type="checkbox"/> OO narančasta+narančasta orange+orange
<input checked="" type="checkbox"/> OR narančasta orange	<input checked="" type="checkbox"/> OT narančasta+prozirna orange+transparent	

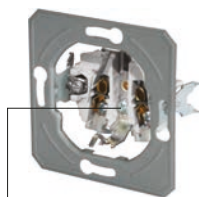


šuko – sukladno normi EN 60884-1, CEE7 (lista standarda III)

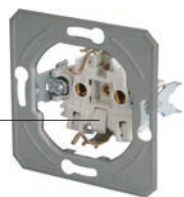
francuska – sukladno normi NF C 61-314 (lista standarda V)

schuko - in accordance with EN 60884-1, CEE7 (standard sheet III)

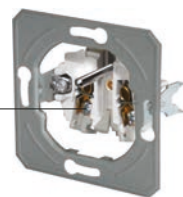
French - in accordance with NF C 61-314 (standard sheet V)



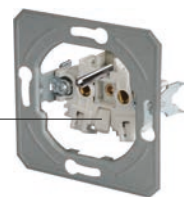
• vijčano pričvršćivanje vodiča  
screw contacts



• BV bezvijčano pričvršćivanje  
BV plug-in contacts



• vijčano pričvršćivanje vodiča  
screw contacts



• BV bezvijčano pričvršćivanje  
BV plug-in contacts

UTIČNICA ŠUKO 2P + E 16A 250V ~ \_\_ XO



- VE10PWXO
- VE10IWXO
- VE10ESXO
- VE10COXO
- VE10NBXO
- VE10RDXO
- VE10GRXO
- VE10ORXO

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- XO bez okvira
- 2P+E šuko
- 16A 250V~, tip VE10

SOCKET SCHUKO 2P+E 16A 250V~ \_\_ XO

- screw contacts 1.5-2.5mm<sup>2</sup>
- XO without surround
- 2P+E schuko
- 16A 250V~, type VE10



UTIČNICA ŠUKO + POKLOPAC 2P + E 16A 250V ~ \_\_ XO



- VE11PTXO
- VE11ITXO
- VE11STXO
- VE11BTXO

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- XO bez okvira
- 2P+E šuko+poklopac
- 16A 250V~, tip VE11

SOCKET SCHUKO+COVER 2P+E 16A 250V~ \_\_ XO

- screw contacts 1.5-2.5mm<sup>2</sup>
- XO without surround
- 2P+E schuko+cover
- 16A 250V~, type VE11



UTIČNICA ŠUKO 2P + E 16A 250V ~ BV \_\_ XO



- VE12PWXO
- VE12IWXO
- VE12ESXO
- VE12COXO
- VE12NBXO
- VE12RDXO
- VE12GRXO
- VE12ORXO

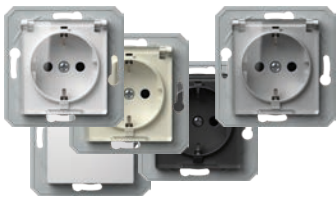
- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- XO bez okvira
- 2P+E šuko
- 16A 250V~, tip VE12

SOCKET SCHUKO 2P+E 16A 250V~ BV \_\_ XO

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- XO without surround
- 2P+E schuko
- 16A 250V~, type VE12



UTIČNICA ŠUKO + POKLOPAC 2P + E 16A 250V~ BV \_\_ XO



- VE13PTXO
- VE13ITXO
- VE13STXO
- VE13BTXO
- VE13PPXO

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- XO bez okvira
- 2P+E šuko+poklopac
- 16A 250V~, tip VE13

SOCKET SCHUKO+COVER 2P+E 16A 250V~ BV \_\_ XO

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- XO without surround
- 2P+E schuko+cover
- 16A 250V~, type VE13



UTIČNICA ŠUKO 2P + E 16A 250V ~



- VE10PW
- VE10IW
- VE10ES
- VE10CO
- VE10NB

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- 2P+E šuko
- 16A 250V~, tip VE10

SOCKET SCHUKO 2P+E 16A 250V~

- screw contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko
- 16A 250V~, type VE10



UTIČNICA ŠUKO + POKLOPAC 2P + E 16A 250V~



- VE11PT
- VE11IT
- VE11ST
- VE11CT
- VE11BT

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- 2P+E šuko+poklopac
- 16A 250V~, tip VE11

SOCKET SCHUKO+COVER 2P+E 16A 250V~

- screw contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko+cover
- 16A 250V~, type VE11



UTIČNICA ŠUKO 2P + E 16A 250V ~ BV



- VE12PW
- VE12IW
- VE12ES
- VE12CO
- VE12NB

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- 2P+E šuko
- 16A 250V~, tip VE12

SOCKET SCHUKO 2P+E 16A 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko
- 16A 250V~, type VE12



UTIČNICA ŠUKO + POKLOPAC 2P + E 16A 250V ~ BV



- VE13PT
- VE13IT
- VE13ST
- VE13CT
- VE13BT

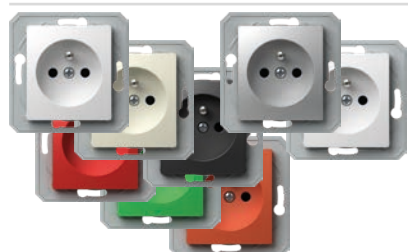
- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- 2P+E šuko+poklopac
- 16A 250V~, tip VE13

SOCKET SCHUKO+COVER 2P+E 16A 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko+cover
- 16A 250V~, type VE13







- VE40PWXO
- VE40IWXO
- VE40ESXO
- VE40COXO
- VE40NBXO
- VE40RDXO
- VE40GRXO
- VE40ORXO

#### UTIČNICA FRANCUSKA 2P + E 16A 250V ~ \_\_ XO

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- XO bez okvira
- 2P+E francuska
- 16A 250V~, tip VE40

#### SOCKET FRENCH 2P+E 16A 250V~ \_\_ XO

- screw contacts 1.5-2.5mm<sup>2</sup>
- XO without surround
- 2P+E French
- 16A 250V~, type VE40



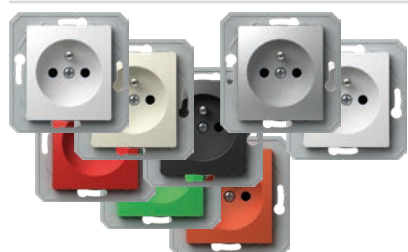
- VE41PTXO
- VE41ITXO
- VE41STXO
- VE41PTXO
- VE41BTXO
- VE41PPXO

#### UTIČNICA FRANCUSKA + POKLOPAC 2P + E 16A 250V~ \_\_ XO

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- XO bez okvira
- 2P+E francuska+poklopac
- 16A 250V~, tip VE41

#### SOCKET FRENCH+COVER 2P+E 16A 250V~ \_\_ XO

- screw contacts 1.5-2.5mm<sup>2</sup>
- XO without surround
- 2P+E French+cover
- 16A 250V~, type VE41



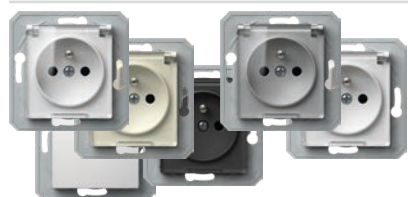
- VE42PWXO
- VE42IWXO
- VE42ESXO
- VE42COXO
- VE42NBXO
- VE42RDXO
- VE42GRXO
- VE42ORXO

#### UTIČNICA FRANCUSKA 2P + E 16A 250V~ BV \_\_ XO

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- XO bez okvira
- utičnica sa zaštitnim kontaktom francuska
- 16A 250V~, tip VE42

#### SOCKET FRENCH 2P+E 16A 250V~ BV \_\_ XO

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- XO without surround
- 2P+E French
- 16A 250V~, type VE42



- VE43PTXO
- VE43ITXO
- VE43STXO
- VE43PTXO
- VE43BTXO
- VE43PPXO

#### UTIČNICA FRANCUSKA + POKLOPAC 2P + E 16A 250V~ BV \_\_ XO

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- XO bez okvira
- 2P+E francuska+poklopac
- 16A 250V~, tip VE43

#### SOCKET FRENCH+COVER 2P+E 16A 250V~ BV \_\_ XO

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- XO without surround
- 2P+E French+cover
- 16A 250V~, type VE43



- VE40PW
- VE40IW
- VE40ES
- VE40CO
- VE40NB

#### UTIČNICA FRANCUSKA 2P + E 16A 250V ~

- vijčano pričvršćivanje vodiča presjeka 1.5-2.5mm<sup>2</sup>
- 2P+E francuska
- 16A 250V~, tip VE40

#### SOCKET FRENCH 2P+E 16A 250V~

- screw contacts 1.5-2.5mm<sup>2</sup>
- 2P+E French
- 16A 250V~, type VE40



- VE41PT
- VE41IT
- VE41ST
- VE41CT
- VE41BT

#### UTIČNICA FRANCUSKA + POKLOPAC 2P + E 16A 250V~

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- 2P+E francuska+poklopac
- 16A 250V~, tip VE41

#### SOCKET FRENCH+COVER 2P+E 16A 250V~

- screw contacts 1.5-2.5mm<sup>2</sup>
- 2P+E French+cover
- 16A 250V~, type VE41



- VE42PW
- VE42IW
- VE42ES
- VE42CO
- VE42NB

#### UTIČNICA FRANCUSKA 2P + E 16A 250V ~ BV

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- utičnica sa zaštitnim kontaktom francuska
- 16A 250V~, tip VE42

#### SOCKET FRENCH 2P+E 16A 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2P+E French
- 16A 250V~, type VE42



- VE43PT
- VE43IT
- VE43ST
- VE43CT
- VE43BT

#### UTIČNICA FRANCUSKA + POKLOPAC 2P + E 16A 250V ~ BV

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- 2P+E francuska+poklopac
- 16A 250V~, tip VE43

#### SOCKET FRENCH+COVER 2P+E 16A 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2P+E French+cover
- 16A 250V~, type VE43



UTIČNICA ŠUKO DVOSTRUKA 2P + E 16A 250V~



- VE16PWKS
- VE16WKS
- VE16ESKS
- VE16NBKS

- 2P+E šuko dvostruka
- 16A 250V~, tip VE16
- sukladno normama IEC 60884-1, CEE7
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

SOCKET SCHUKO DOUBLE 2P+E 16A 250V~

- 2P+E schuko double
- 16A 250V~, type VE16
- in accordance with IEC 60884-1, CEE7
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection – shuttered live contacts



UTIČNICA FRANCUSKA DVOSTRUKA 2P + E 16A 250V~



- VE46PWKS
- VE46WKS
- VE46ESKS
- VE46NBKS

- 2P + E francuska dvostruka
- 16A 250V~, tip VE46
- sukladno normama IEC 60884-1, CEE7; NF C 61-314, ČSN 33 2318; PN-E 93201
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- KS zaštita za djecu od dodira kontakta

SOCKET FRENCH DOUBLE 2P+E 16A 250V~

- 2P+E French double
- 16A 250V~, type VE46
- in accordance with IEC 60884-1, CEE7; NF C 61-314, ČSN 33 2318; PN-E 93201
- screw contacts 1.5-2.5 mm<sup>2</sup>
- KS build-in child protection – shuttered live contacts



UTIČNICA 2P 16A 250V ~

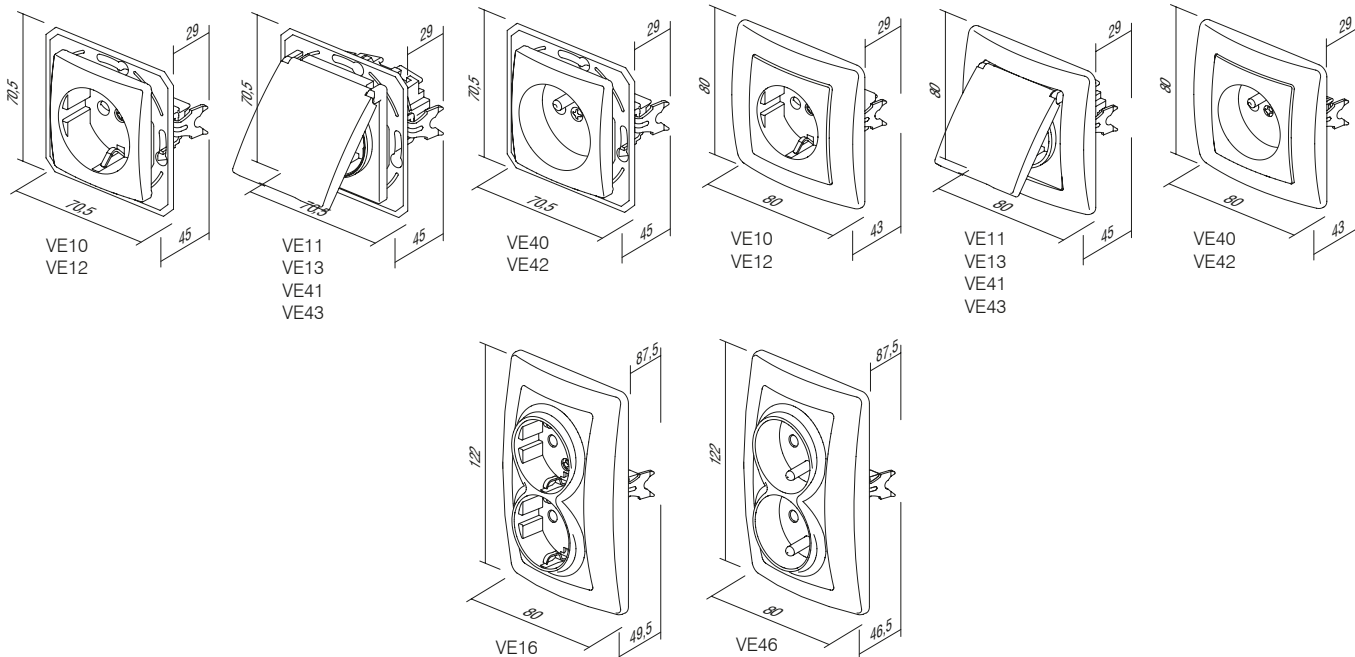


- VE30PW
- VE30W
- VE30ES
- VE30NB

- 2P bez voda za uzemljenje
- 16A 250V ~
- sukladno normama EN 60884-1, CEE7 (lista standarda I)
- vijčano pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>

SOCKET 2P 16A 250V~

- 2P without earthing contact
- 16A 250V~
- in accordance with EN 60884-1, CEE7 (standard sheet I)
- screw contacts 1.5-2.5mm<sup>2</sup>



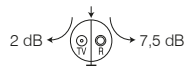


tip type	naziv description	tehnički podaci technical data	boja colour
KE11	UTIČNICA TV-R ZAVRŠNA SOCKET TV-R END-LINE	2dB	<input type="checkbox"/> PW bijela sjajna polar white
KE12	UTIČNICA TV-R PROLAZNA SOCKET TV-R THROUGHPASS	8,5dB	<input type="checkbox"/> IW bež sjajna ivory white
KE16	UTIČNICA SAT-TV-R ZAVRŠNA SOCKET SAT-TV-R END-LINE	3dB	<input type="checkbox"/> ES srebrna mat elox silver
⋮	⋮	⋮	<input type="checkbox"/> CO bijeli duroplast white thermoset
⋮	⋮	⋮	<input type="checkbox"/> NB crna sjajna night black

#### UTIČNICA TV-R ZAVRŠNA 2dB



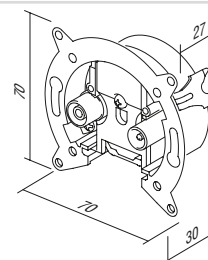
KE11



- TV-R završna
- propušta frekvenciju u rasponu 5÷862MHz
- prigušenje: R-7,5dB, TV-2dB
- sukladno normi EN 50083-1
- vijčano pričvršćivanje

#### SOCKET TV-R END-LINE 2dB

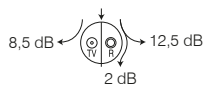
- TV-R end-line
- frequency range 5÷862MHz
- reduction: R-7.5dB, TV-2dB
- in accordance with EN 50083-1
- screw contacts



#### UTIČNICA TV-R PROLAZNA 8,5dB



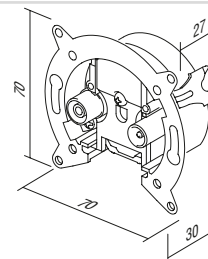
KE12



- TV-R prolazna
- propušta frekvenciju u rasponu 5÷862MHz
- prigušenje: R-12,5dB, TV-8,5dB, prolaz-2dB
- sukladno normi EN 50083-1
- vijčano pričvršćivanje

#### SOCKET TV-R THROUGHPASS 8,5dB

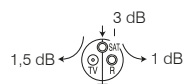
- TV-R throughpass
- frequency range 5÷862MHz
- reduction: R-12.5dB, TV-8.5dB, trough-2dB
- in accordance with EN 50083-1
- screw contacts



#### UTIČNICA SAT-TV-R ZAVRŠNA 3dB



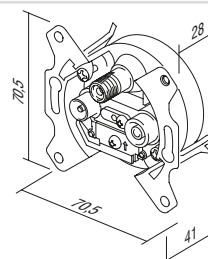
KE16



- SAT-TV-R završna
- propušta frekvenciju u rasponu 5÷2400MHz
- prigušenje: R-1dB, TV-1,5dB, SAT-3dB
- za ugradnju u okruglu kutiju Ø60 s nožicama ili vijcima
- sukladno normi EN 50083-1
- vijčano pričvršćivanje

#### SOCKET SAT-TV-R END-LINE 3dB

- SAT-TV-R end-line
- frequency range 5÷2400MHz
- reduction: R-1dB, TV-1.5dB, SAT-3dB
- for mounting in round box Ø60 with claws or screws
- in accordance with EN 50083-1
- screw contacts



#### UTIČNICA TEL KS RJ11 6/4

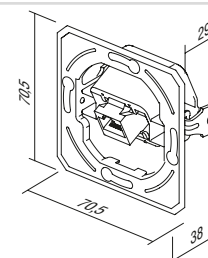


KE36

- KS keystone standard pričvršćivanja
- RJ11 6/4
- sukladno normi IEC 60603-7

#### SOCKET TEL KS RJ11 6/4

- KS keystone fixing standard
- RJ11 6/4
- in accordance with IEC 60603-7





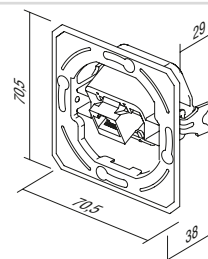
KE37

**UTIČNICA CAT5e KS RJ45 8/8**

- KS keystone standard pričvršćivanja
- CAT5e, RJ45 8/8
- sukladno normi IEC 60603-7

**SOCKET CAT5e KS RJ45 8/8**

- KS keystone fixing standard
- CAT5e, RJ45 8/8
- in accordance with IEC 60603-7



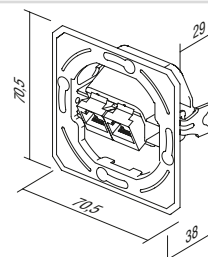
KE38

**UTIČNICA TEL KS DVOSTRUKA 2x RJ11 6/4**

- KS keystone standard pričvršćivanja
- 2x RJ11 6/4
- sukladno normi IEC 60603-7

**SOCKET TEL KS DOUBLE 2x RJ11 6/4**

- KS keystone fixing standard
- 2x RJ11 6/4
- in accordance with IEC 60603-7



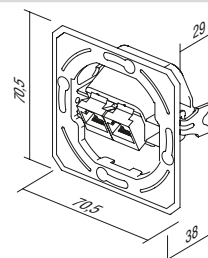
KE39

**UTIČNICA CAT5e KS DVOSTRUKA 2x RJ45 8/8**

- KS keystone standard pričvršćivanja
- 2x CAT5e, RJ45 8/8
- sukladno normi IEC 60603-7

**SOCKET CAT5e KS DOUBLE 2x RJ45 8/8**

- KS keystone fixing standard
- 2x CAT5e, RJ45 8/8
- in accordance with IEC 60603-7



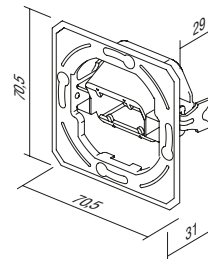
KE45

**ADAPTER KS JEDNOSTRUKI**

- KS keystone standard priključivanja - jednostruki
- AMP, Avaya, Brandrex, FMT, Mfico, Tyco, ...
- nije ugrađen komunikacijski modul

**ADAPTER KS SINGLE**

- KS keystone fixing standard - single
- AMP, Avaya, Brandrex, FMT, Mfico, Tyco, ...
- communication module not included



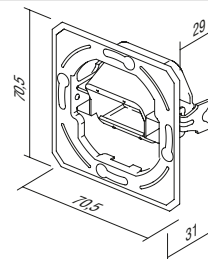
KE46

**ADAPTER KS DVOSTRUKI**

- KS keystone standard priključivanja - dvostruki
- AMP, Tyco, ...
- nije ugrađen komunikacijski modul

**ADAPTER KS DOUBLE**

- KS keystone fixing standard - double
- AMP, Tyco, ...
- communication module not included



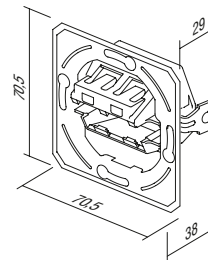
KE47

**ADAPTER PD DVOSTRUKI**

- standard pričvršćivanja PD Panduit Mini-COM – dvostruki
- nije ugrađen komunikacijski modul

**ADAPTER PD DOUBLE**

- PD Panduit Mini-COM fixing standard - double
- communication module not included







- KE10PW
- KE10IW
- KE10ES
- KE10CO
- KE10NB

#### UTIČNICA TV OSNOVNA 0dB

- TV osnovna
- prigušenje 0dB
- stražnji konektor – F standard

#### SOCKET TV BASIC 0dB

- TV basic
- reduction 0dB
- back connector – F standard



- KE11PW
- KE11IW
- KE11ES
- KE11CO
- KE11NB

#### UTIČNICA TV-R ZAVRŠNA 2dB

- TV-R završna
- propušta frekvenciju u rasponu 5÷862 MHz
- prigušenje: R-7,5dB, TV-2dB
- sukladno normi EN 50083-1
- vijčano pričvršćivanje

#### SOCKET TV-R END-LINE 2dB

- TV-R end-line
- frequency range 5÷862 MHz
- reduction: R-7.5dB, TV-2dB
- in accordance with EN 50083-1
- screw contact



- KE12PW
- KE12IW
- KE12ES
- KE12CO
- KE12NB

#### UTIČNICA TV-R PROLAZNA 8,5dB

- TV-R prolazna
- propušta frekvenciju u rasponu 5÷862 MHz
- prigušenje: R-12,5dB, TV-8,5dB, prolaz-2dB
- sukladno normi EN 50083-1
- vijčano pričvršćivanje

#### SOCKET TV-R TROUGHPASS 8,5dB

- TV-R troughpass
- frequency range 5÷862 MHz
- reduction: R-12.5dB, TV-8.5dB, trough-2dB
- in accordance with EN 50083-1
- screw contacts



- KE16PW
- KE16IW
- KE16ES
- KE16CO
- KE16NB

#### UTIČNICA SAT-TV-R ZAVRŠNA 3dB

- SAT-TV-R završna
- propušta frekvenciju u rasponu 5÷2400 MHz
- prigušenje: R-1dB, TV-1,5dB, SAT-3dB
- sukladno normi EN 50083-1
- vijčano pričvršćivanje

#### SOCKET SAT-TV-R END-LINE 3dB

- SAT-TV-R end-line
- frequency range 5÷2400 MHz
- reduction: R-1dB, TV-1.5dB, SAT-3dB
- in accordance with EN 50083-1
- screw contacts



- KE22PW
- KE22IW
- KE22ES
- KE22CO
- KE22NB

#### UTIČNICA AUDIO 2xRCA

- audio 2xRCA
- pričvršćivanje vodiča lemljenjem

#### SOCKET AUDIO 2xRCA

- audio 2xRCA
- soldering connection of cable



- KE23PW
- KE23IW
- KE23ES
- KE23CO
- KE23NB

#### UTIČNICA AUDIO ZVUČNICI

- audio 2x Ø4 mm
- pričvršćivanje vodiča za zvučnike umetanjem ili banana utikačem Ø4 mm
- lemljenje spojeva kabela na stražnjoj strani

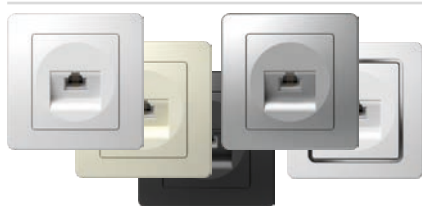
#### SOCKET AUDIO LOUDSPEAKERS

- audio 2x Ø4mm
- to accommodate speaker wire, banana plug Ø4mm or spades
- soldering connection of cable at the back side





**UTIČNICA TEL KS RJ11 6/4**



- KE36PW
- KE36IW
- KE36ES
- KE36CO
- KE36NB

- KS keystone standard pričvršćivanja  
- RJ11 6/4  
- sukladno normi IEC 60603-7

**SOCKET TEL KS RJ11 6/4**

- KS keystone fixing standard  
- RJ11 6/4  
- in accordance with IEC 60603-7



**UTIČNICA CAT5e KS RJ45 8/8**



- KE37PW
- KE37IW
- KE37ES
- KE37CO
- KE37NB

- KS keystone standard pričvršćivanja  
- CAT5e, RJ45 8/8  
- sukladno normi IEC 60603-7

**SOCKET CAT5e KS RJ45 8/8**

- KS keystone fixing standard  
- CAT5e, RJ45 8/8  
- in accordance with IEC 60603-7



**UTIČNICA TEL KS DVOSTRUKA 2x RJ11 6/4**



- KE38PW
- KE38IW
- KE38ES
- KE38CO
- KE38NB

- KS keystone standard pričvršćivanja  
- 2x RJ11, 6/4  
- sukladno normi IEC 60603-7

**SOCKET TEL KS DOUBLE 2x RJ11 6/4**

- KS keystone fixing standard  
- 2x RJ11, 6/4  
- in accordance with IEC 60603-7



**UTIČNICA CAT5e KS DVOSTRUKA 2x RJ45 8/8**



- KE39PW
- KE39IW
- KE39ES
- KE39CO
- KE39NB

- KS keystone standard pričvršćivanja  
- 2x CAT5e, RJ45 8/8  
- sukladno normi IEC 60603-7

**SOCKET CAT5e KS DOUBLE 2x RJ45 8/8**

- KS keystone fixing standard  
- 2x CAT5e, RJ45 8/8  
- in accordance with IEC 60603-7



**UTIČNICA TEL LT RJ11 6/4**

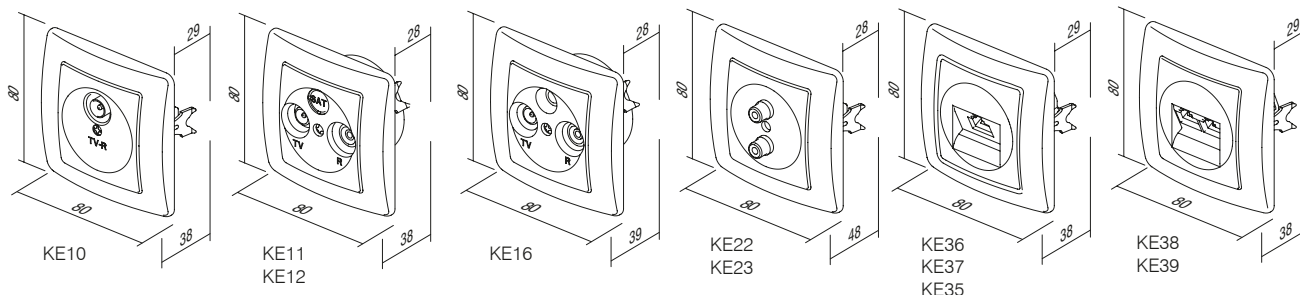


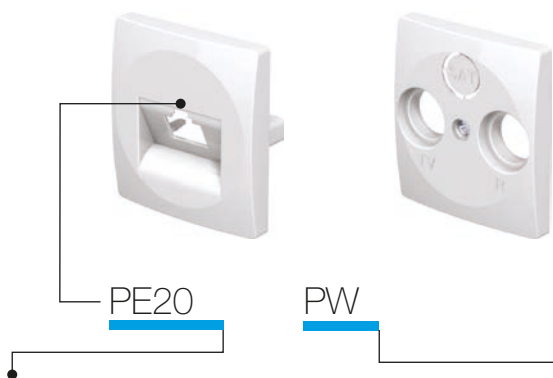
- KE35PW
- KE35IW
- KE35ES
- KE35CO
- KE35NB

- TEL LT vijak  
- vijčano pričvršćivanje  
- RJ11 6/4  
- sukladno normi IEC 60603-7

**SOCKET TEL LT RJ11 6/4**

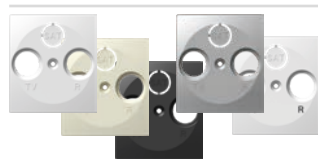
- TEL LT screw  
- screw contacts  
- RJ11 6/4  
- in accordance with IEC 60603-7





tip type	naziv description	tehnički podaci technical data	boja colour
PE10	POKLOPAC TV-R COVER TV-R	2P/3P	<input type="checkbox"/> PW bijela sjajna polar white
PE20	POKLOPAC KS JEDNOSTRUKI COVER KS SINGLE		<input type="checkbox"/> IW bež sjajna ivory white
PE21	POKLOPAC KS DVOSTRUKI COVER KS DOUBLE		<input type="checkbox"/> ES srebrna mat elox silver
...	...	...	<input type="checkbox"/> CO bijeli duroplast white thermoset
			<input type="checkbox"/> NB crna sjajna night black

#### POKLOPAC TV-R 2P/3P



- PE10PW
- PE10IW
- PE10ES
- PE10CO
- PE10NB

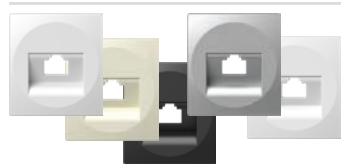
- poklopac TV-R, 2P ili 3P s vijkom

COVER TV-R 2P/3P

- TV-R cover, 2P or 3P with screw



#### POKLOPAC KS JEDNOSTRUKI



- PE20PW
- PE20IW
- PE20ES
- PE20CO
- PE20NB

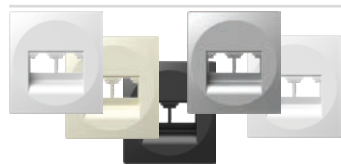
- KS poklopac jednostrukim

COVER KS SINGLE

- KS cover single



#### POKLOPAC KS DVOSTRUKI



- PE21PW
- PE21IW
- PE21ES
- PE21NB

-KS poklopac dvostrukim

COVER KS DOUBLE

- KS cover double



#### POKLOPAC TAE/TDO



- PE30PW
- PE30IW
- PE30ES
- PE30NB

- TAE ili TDO poklopac s vijkom

COVER TAE/TDO

- TAE or TDO cover with screw



#### POKLOPAC IR SKLOPKA

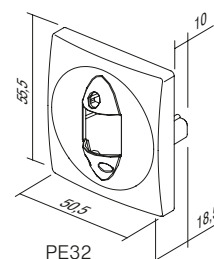
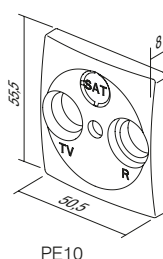
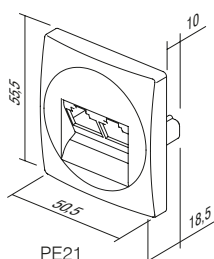
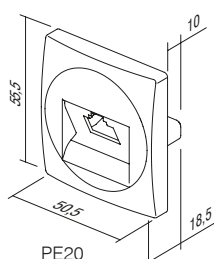
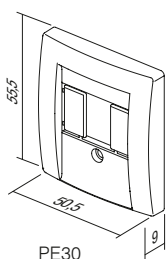


- PE32PW
- PE32IW
- PE32ES
- PE32NB

- poklopac IR sklopka

COVER IR SWITCH

- cover IR switch





EE15

PW

tip type	naziv description	tehnički podaci technical data	boja colour
EE15	REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI <i>DIMMER ROTATIVE 2WAY</i>	RL 400W	<input type="checkbox"/> PW bijela sjajna <i>polar white</i>
EE16	REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI <i>DIMMER ROTATIVE 2WAY</i>	RLC 400W	<input type="checkbox"/> IW bež sjajna <i>ivory white</i>
EE19	REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI <i>DIMMER ROTATIVE 2WAY</i>	LED 100W	<input type="checkbox"/> ES srebrna mat <i>elox silver</i>
⋮	⋮	⋮	<input type="checkbox"/> CO bijeli duroplast <i>white thermoset</i>
⋮	⋮	⋮	<input type="checkbox"/> NB crna sjajna <i>night black</i>

#### REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI RL 400W



EE15

- rotacijski s izmjeničnom sklopkom
- opterećenje RL, 40W – 400W
- moguća je kombinacija s izmjeničnom sklopkom
- povezivanje više regulatora osvjetljenja nije dopušteno
- sukladno normama EN 60669-1 i EN 60669-2-1
- bezvijčani kontakti 1,5mm<sup>2</sup>
- napajanje 230V ~ 50Hz
- unutarnji promjer tipke Ø6 mm
- priložen zamjenjivi osigurač

#### *DIMMER ROTATIVE 2WAY RL 400W*

- rotation control with 2-way switch
- load RL, 40W - 400W
- 2-way switch combination is possible
- more dimmers combination is not allowed
- in accordance with EN 60669-1 and EN 60669-2-1
- plug-in contacts 1.5mm<sup>2</sup>
- supply 230V~ 50Hz
- button inner diameter Ø6mm
- replaceable fuse included

#### REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI RLC 400W



EE16

- rotacijski s izmjeničnom sklopkom
- opterećenje RLC, 20W – 400W
- moguća je kombinacija s izmjeničnom sklopkom
- povezivanje više regulatora osvjetljenja nije dopušteno
- sukladno normama EN 60669-1 i EN 60669-2-1
- bezvijčani kontakti 1,5mm<sup>2</sup>
- unutarnji promjer tipke Ø6 mm
- napajanje 230V ~ 50Hz
- elektronski osigurač

#### *DIMMER ROTATIVE 2WAY RLC 400W*

- rotation control with 2-way switch
- load RLC, 20W - 400W
- 2-way switch combination is possible
- more dimmers combination is not allowed
- in accordance with EN 60669-1 and EN 60669-2-1
- plug-in contacts 1.5mm<sup>2</sup>
- supply 230V~ 50Hz
- button inner diameter Ø6mm
- electronic fuse



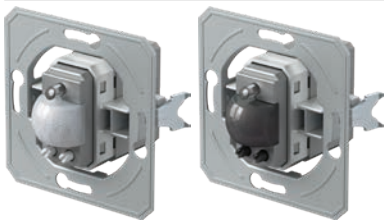
EE19

**REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI LED 100W**

- rotacijski s izmjeničnom sklopkom
- opterećenje: LED, 0-100W (maks. 10 LED)
- GLS, 10-250W
- moguća je kombinacija s izmjeničnom sklopkom
- povezivanje više regulatora osvjetljenja nije dopušteno
- sukladno normama EN 60669-1 i EN 60669-2-1
- bezvijačni kontakti 1,5mm<sup>2</sup>
- napajanje 230V ~ 50Hz
- priložen zamjenjivi osigurač
- unutarnji promjer tipke Ø6 mm

**DIMMER ROTATIVE 2WAY LED 100W**

- rotation control with 2-way switch
- load: LED, 0-100W (max. 10 LEDs)
- GLS, 10-250W
- 2-way switch combination is possible
- more dimmers combination is not allowed
- in accordance with EN 60669-1 and EN 60669-2-1
- plug-in contacts 1.5mm<sup>2</sup>
- supply 230V~ 50Hz
- replaceable fuse included
- button inner diameter Ø6mm



EE32A1  
 EE32A2

**IR SKLOPKA 5A 250V~**

- IR infracrvena sklopka
- napajanje: 230V~ ± 10% 50Hz
- relej: 5A / 250V~ izlaz za ograničeni strujni tok s velikim otporom za prolaz kroz ništicu („zero crossing“)
- zaštitna razina: IP40
- presjek žica na kontaktnom terminalu: 0,75 - 2,5 mm<sup>2</sup>
- kut prepoznavanja: do 110° pri 20 °C
- raspon prepoznavanja: približno 8m pri 20 °C
- prilagodljivost trajanja: od približno 5 s do 12 min
- prilagodljivost osvjetljenja: od približno 5 do 200 LUX
- temperatura radnog okruženja: od 0 °C do +40 °C
- nije prikladno za ugradnju u kutije duboke 45 mm
- samo za unutrašnju uporabu

**IR SWITCH 5A 250V~**

- IR infrared switch
- supply voltage: 230V~ ± 10 % 50Hz
- relay: 5A / 250V~ output for limited current with high resistance for zero crossing
- protection rating: IP40
- cross-section of wires at the contact terminal: 0.75 - 2.5 mm<sup>2</sup>
- detection angle: up to 110° at 20°C
- detection area: approx. 8 m at 20°C
- adjustability of duration: from approx. 5 s to 12 min
- adjustability of brightness: from approx. 5 to 200 LUX
- operating temperature: from 0°C to +40°C
- not suitable for installation in 45 mm deep boxes
- only for indoor usage



EE15PW  
 EE15IW  
 EE15ES  
 EE15CO  
 EE15NB

**REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI RL 400W**

- rotacijski s izmjeničnom sklopkom
- opterećenje RL, 40W – 400W
- moguća je kombinacija s izmjeničnom sklopkom
- povezivanje više regulatora osvjetljenja nije dopušteno
- sukladno normama EN 60669-1 i EN 60669-2-1
- bezvijačni kontakti 1,5mm<sup>2</sup>
- napajanje 230V ~ 50Hz
- priložen zamjenjivi osigurač

**DIMMER ROTATIVE 2WAY RL 400W**

- rotation control with 2-way switch
- load RL, 40W - 400W
- 2-way switch combination is possible
- more dimmers combination is not allowed
- in accordance with EN 60669-1 and EN 60669-2-1
- plug-in contacts 1.5mm<sup>2</sup>
- supply 230V~ 50Hz
- replaceable fuse included





- EE16PW
- EE16IW
- EE16ES
- EE16CO
- EE16NB

#### REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI RLC 400W

- rotacijski s izmjeničnom sklopkom
- opterećenje RLC, 20W – 400W
- moguća je kombinacija s izmjeničnom sklopkom
- povezivanje više regulatora osvjetljenja nije dopušteno
- sukladno normama EN 60669-1 i EN 60669-2-1
- bezvijačni kontakti 1,5mm<sup>2</sup>
- napajanje 230V ~ 50Hz
- elektronski osigurač



#### DIMMER ROTATIVE 2WAY RLC 400W

- rotation control with 2-way switch
- load RLC, 20W - 400W
- 2-way switch combination is possible
- more dimmers combination is not allowed
- in accordance with EN 60669-1 and EN 60669-2-1
- plug-in contacts 1.5mm<sup>2</sup>
- supply 230V~ 50Hz
- electronic fuse



- EE19PW
- EE19IW
- EE19ES
- EE19CO
- EE19NB

#### REGULATOR OSVJETLJENJA ROTACIJSKI IZMJENIČNI LED 100W

- rotacijski s izmjeničnom sklopkom
- opterećenje: LED, 0-100W (maks. 10 LED)  
GLS, 10-250W
- moguća je kombinacija s izmjeničnom sklopkom
- povezivanje više regulatora osvjetljenja nije dopušteno
- sukladno normama EN 60669-1 i EN 60669-2-1
- bezvijačni kontakti 1,5mm<sup>2</sup>
- napajanje 230V ~ 50Hz
- priložen zamjenjivi osigurač



#### DIMMER ROTATIVE 2WAY LED 100W

- rotation control with 2-way switch
- load: LED, 0-100W (max. 10 LEDs)  
GLS, 10-250W
- 2-way switch combination is possible
- more dimmers combination is not allowed
- in accordance with EN 60669-1 and EN 60669-2-1
- plug-in contacts 1.5mm<sup>2</sup>
- supply 230V~ 50Hz
- replaceable fuse included



- EE32PW
- EE32IW
- EE32ES
- EE32CO
- EE32NB

#### IR SKLOPKA 5A 230V~

- IR infracrvena sklopka
- napajanje: 230V ~ ± 10% 50Hz
- relej: 5A / 250V~ izlaz za ograničeni strujni tok s velikim otporom za prolaz kroz ničisticu („zero crossing“)
- zaštitna razina: IP40
- presjek žica na kontaktnom terminalu: 0,75 - 2,5 mm<sup>2</sup>
- kut prepoznavanja: do 110° pri 20 °C
- raspon prepoznavanja: približno 8m pri 20 °C
- prilagodljivost trajanja: od približno 5 s do 12 min
- prilagodljivost osvjetljenja: od približno 5 do 200 LUX
- temperatura radnog okruženja: od 0 °C do +40 °C
- nije prikladno za ugradnju u kutije duboke 45 mm
- samo za unutrašnju uporabu

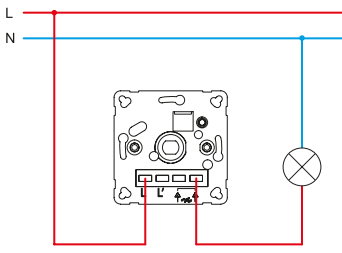


#### IR SWITCH 5A 230V~

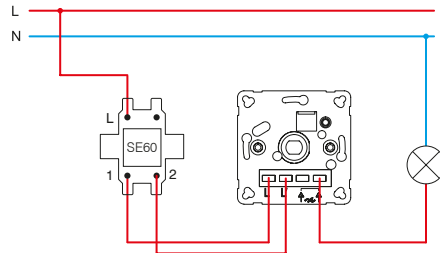
- IR infrared switch
- supply voltage: 230V~ ± 10 % 50Hz
- relay: 5A / 250V~ output for limited current with high resistance for zero crossing
- protection rating: IP40
- cross-section of wires at the contact terminal: 0.75 - 2.5 mm<sup>2</sup>
- detection angle: up to 110° at 20°C
- detection area: approx. 8 m at 20°C
- adjustability of duration: from approx. 5 s to 12 min
- adjustability of brightness: from approx. 5 to 200 LUX
- operating temperature: from 0°C to +40°C
- not suitable for installation in 45 mm deep boxes
- only for indoor usage



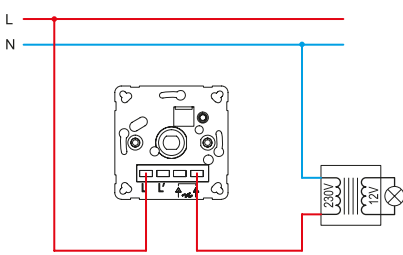
EE15, EE16, EE19



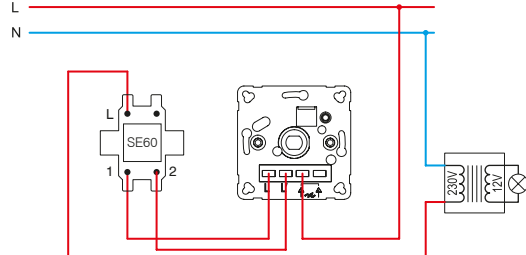
EE15, EE16, EE19



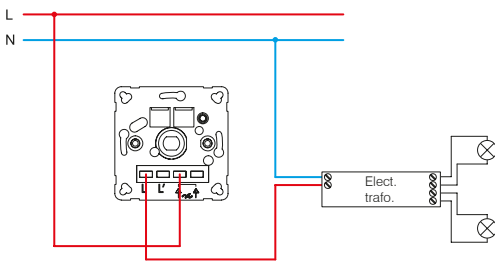
EE15, EE16, EE19



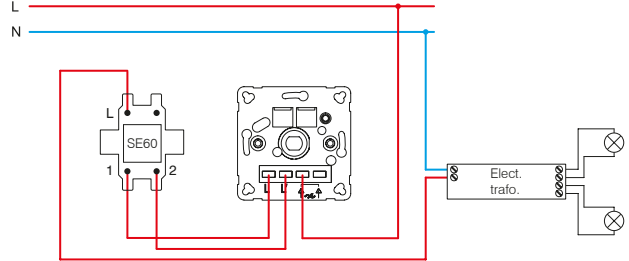
EE15, EE16, EE19



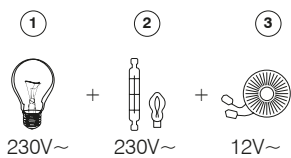
EE16, EE19



EE16, EE19

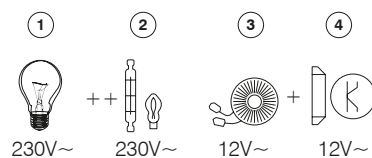


**EE15 (40÷400W)**



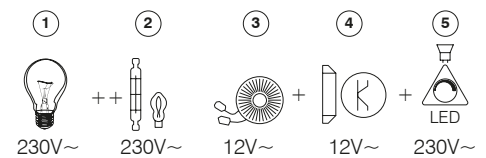
- 1 - žarulja sa žarnom niti / incandescent lamp
- 2 - halogena žarulja / halogen lamp

**EE16 (20÷400W)**

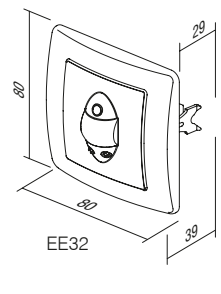
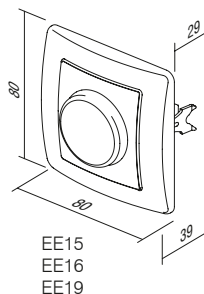
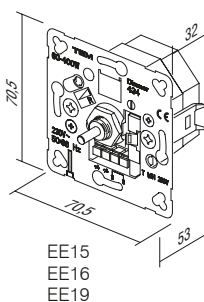


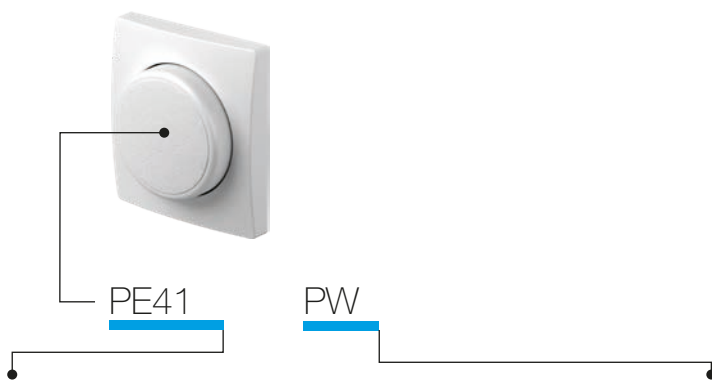
- 3 - klasični transformator / classical transformer
- 4 - elektronički transformator / electronic transformer

**EE19 (GLS 10÷250W ; LED 0÷100W)**



- 5 - LED tinjalica s regulacijom osvijetljenja / dimmable LED lamp





tip type	naziv description	boja colour
PE41	POKLOPAC REGULATORA OSVJETLJENJA COVER DIMMER	<input type="checkbox"/> PW bijela sjajna <i>polar white</i> <input type="checkbox"/> IW bež sjajna <i>ivory white</i> <input type="checkbox"/> ES srebrna mat <i>elox silver</i> <input type="checkbox"/> CO bijeli duroplast <i>white thermoset</i> <input type="checkbox"/> NB crna sjajna <i>night black</i>



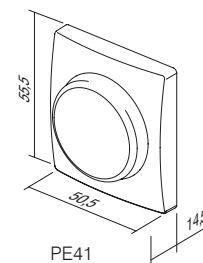
- PE41PW
- PE41IW
- PE41ES
- PE41CO
- PE41NB

**POKLOPAC REGULATORA OSVJETLJENJA Ø6**

- poklopac regulatora osvjetljenja Ø6 mm  
- za EE15, EE16, EE19

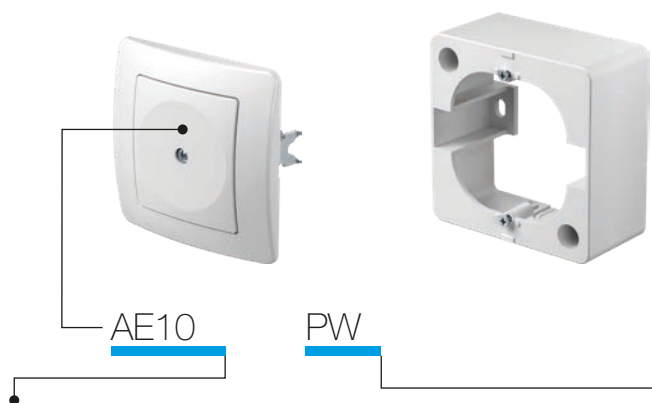
**COVER DIMMER Ø6**

- cover dimmer Ø6mm  
- for EE15, EE16, EE19



PE41

## P R I B O R     A E



tip type	naziv description	boja colour
AE10	SLIJEPI ELEMENT BLANK	<input type="checkbox"/> PW bijela sjajna polar white
AE20	PRIKLJUČNA KUTIJA 3P + N + E 5X4mm <sup>2</sup> CONNECTION BOX 3P+N+E 5X4mm <sup>2</sup>	<input type="checkbox"/> IW bež sjajna ivory white
AE30	NADŽBUKNA KUTIJA SURFACE MOUNT BOX	<input type="checkbox"/> ES srebrna mat elox silver
⋮	⋮	<input type="checkbox"/> CO bijeli duroplast white thermoset
⋮	⋮	<input type="checkbox"/> NB crna sjajna night black

## SLIJEPI ELEMENT



- AE10PW
- AE10IW
- AE10ES
- AE10CO
- AE10NB

- za pokrivanje praznog prostora

BLANK

- for filling up empty spaces

PRIKLJUČNA KUTIJA 5-POLNA 3P + N + E 5x4mm<sup>2</sup>

- AE20PW
- AE20IW

- priključna kutija 3P+N+E

- 16A 400V ~

- sukladno normi VDE 0606-1:2000

- vijčano pričvršćivanje vodiča presjeka 1,5-4mm<sup>2</sup>CONNECTION BOX 5POLE 3P+N+E 5x4mm<sup>2</sup>

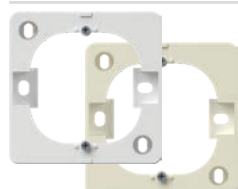
- 3P+N+E connection box

- 16A 400V~

- in accordance with VDE 0606-1:2000

- screw contacts 1.5-4mm<sup>2</sup>

## NADŽBUKNA KUTIJA 1

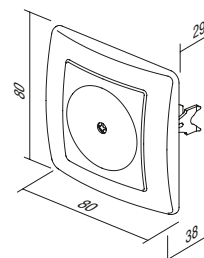
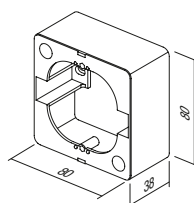
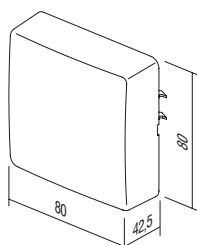


- AE30PW
- AE30IW

- nadžbukna kutija

SURFACE MOUNT BOX 1

- surface mounting box





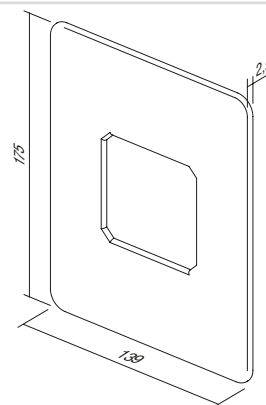
- AE50PW
- AE50TS

**ZIDNI ŠTITNIK**

- štiti površinu oko utičnice ili sklopke

**WALL PROTECTION**

- protects surface around socket or switch



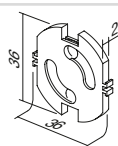
- AE51PW
- AE51IW

**ZAŠTITA ZA DJECU KS**

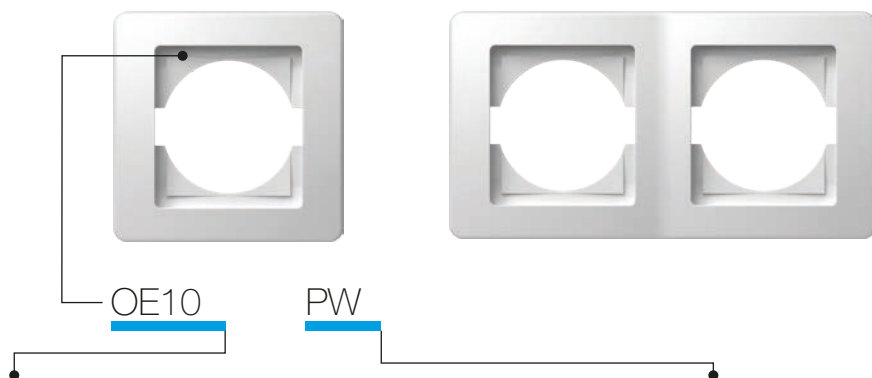
- KS dodatna zaštita za djecu od dodira kontakta

**CHILD PROTECTION KS**

- KS additional child protection insert - shuttered live contacts



## O K V I R I O E



tip type	naziv description	boja colour
OE10	OKVIR EKONOMIK 1 SURROUND EKONOMIK 1	<input type="checkbox"/> PW bijela sjajna polar white
OE20	OKVIR EKONOMIK 2 VODORAVNI SURROUND EKONOMIK 2 HORIZONTAL	<input type="checkbox"/> IW bež sjajna ivory white
OE30	OKVIR EKONOMIK 3 VODORAVNI SURROUND EKONOMIK 3 HORIZONTAL	<input type="checkbox"/> ES srebrna mat elox silver
⋮	⋮	<input type="checkbox"/> CO bijeli duroplast white thermoset
⋮	⋮	<input type="checkbox"/> NB crna sjajna night black

## OKVIR EKONOMIK 1

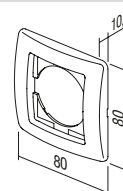


- OE10PW
- OE10IW
- OE10ES
- OE10CO
- OE10NB

- dekorativni pojedinačni okvir
- sukladno normi EN 60669-1

## SURROUND EKONOMIK 1

- decorative surround 1-gang
- in accordance with EN 60669-1



## OKVIR EKONOMIK 2 VODORAVNI

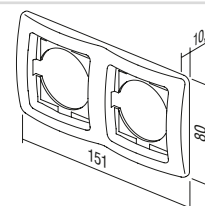


- OE20PW
- OE20IW
- OE20ES
- OE20CO
- OE20NB

- dekorativni dvostruki okvir vodoravni
- sukladno normi EN 60669-1

## SURROUND EKONOMIK 2 HORIZONTAL

- decorative surround 2-gang horizontal
- in accordance with EN 60669-1



## OKVIR EKONOMIK 2 OKOMITI

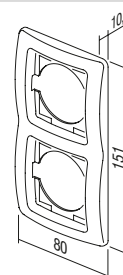


- OE21PW
- OE21IW
- OE21ES
- OE21CO
- OE21NB

- dekorativni dvostruki okvir okomiti
- sukladno normi EN 60669-1

## SURROUND EKONOMIK 2 VERTICAL

- decorative surround 2-gang vertical
- in accordance with EN 60669-1



## OKVIR EKONOMIK 3 VODORAVNI

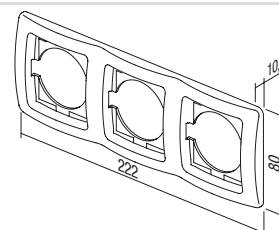


- OE30PW
- OE30IW
- OE30ES
- OE30CO
- OE30NB

- dekorativni trostruki okvir vodoravni
- sukladno normi EN 60669-1

## SURROUND EKONOMIK 3 HORIZONTAL

- decorative surround 3-gang horizontal
- in accordance with EN 60669-1







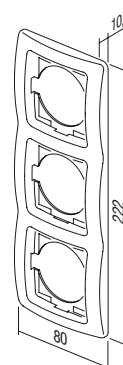
- OE31PW
- OE31IW
- OE31ES
- OE31CO
- OE31NB

**OKVIR EKONOMIK 3 OKOMITI**

- dekorativni trostruki okvir okomiti  
- sukladno normi EN 60669-1

**SURROUND EKONOMIK 3 VERTICAL**

- decorative surround 3-gang vertical  
- in accordance with EN 60669-1



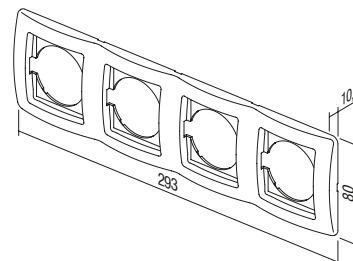
- OE40PW
- OE40IW
- OE40ES
- OE40NB

**OKVIR EKONOMIK 4 VODORAVNI**

- dekorativni četverostruki okvir vodoravni  
- sukladno normi EN 60669-1

**SURROUND EKONOMIK 4 HORIZONTAL**

- decorative surround 4-gang horizontal  
- in accordance with EN 60669-1



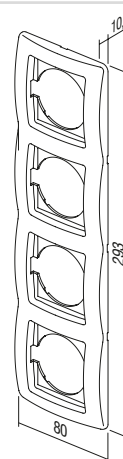
- OE41PW
- OE41IW
- OE41ES
- OE41NB

**OKVIR EKONOMIK 4 OKOMITI**

- dekorativni četverostruki okvir okomiti  
- sukladno normi EN 60669-1

**SURROUND EKONOMIK 4 VERTICAL**

- decorative surround 4-gang vertical  
- in accordance with EN 60669-1



ekonomik

**DEKORATIVNI UMETCI U BOJI /  
COLOR DECORATIVE FRAMES**



OE90GR	ZELENI / GREEN	OE90YL	ŽUTI / YELLOW	OE90MB	MET. PLAVI / MET. BLUE
OE90BL	PLAVI / BLUE	OE90WH	BIJELI / WHITE	OE90BZ	BRONČANI / BRONZE
OE90VO	LJUBIČASTI / VIOLET	OE90GY	SIVI / GREY	OE90CR	SREBRNI / SILVER
OE90PI	RUŽIČASTI / PINK	OE90BK	CRNI / BLACK	OE90GO	ZLATNI / GOLD
OE90RD	CRVENI / RED				





TEM





SKLOPKE SF  
SWITCHES SF



208

UTIČNICE VF  
SOCKETS VF



210

SETOVI CF  
SETS CF

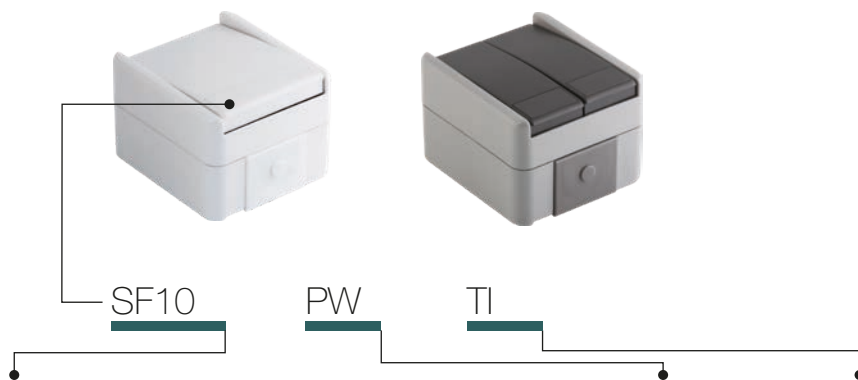


211

PRIBOR AF  
ACCESSORIES AF



213



tip type	naziv description	tehnički podaci technical data	boja colour	opcijski podaci 1 optional data 1
SF10	SKLOPKA JEDNOPOLNA SWITCH 1WAY	IP44 10AX 250V~	<input type="checkbox"/> PW bijela mat (RAL 9016) white-mat	TI neonska tinjalica + indikator neon lamp+indication
SF11	TIPKALO JEDNOPOLNO PUSH BUTTON 1WAY	IP44 10A 250V~	<input type="checkbox"/> GY mat siva grey-mat	
SF20	SKLOPKA DVOPOLNA SWITCH 2POLE	IP44 10AX 250V~		
:	:	:		
:	:	:		

SKLOPKA JEDNOPOLNA IP44 10AX 250V ~



- SF10PW
- SF10GY

- 10AX 250V~, tip SF10  
- sukladno normi EN 60669-1  
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

SWITCH 1WAY IP44 10AX 250V~  
- 10AX 250V~, type SF10  
- in accordance with EN 60669-1  
- plug-in contacts 1.5-2.5mm<sup>2</sup>



SKLOPKA JEDNOPOLNA IP44 10AX 250V ~ \_\_ TI



- SF10PWTI
- SF10GYTI

- TI indikator + neonska tinjalica  
- 10AX 250V~, tip SF10  
- sukladno normi EN 60669-1  
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

SWITCH 1WAY IP44 10AX 250V~ \_\_ TI  
- TI indicator+neon lamp  
- 10AX 250V~, type SF10  
- in accordance with EN 60669-1  
- plug-in contacts 1.5-2.5mm<sup>2</sup>



TIPKALO JEDNOPOLNO IP44 10A 250V~ \_\_ TI



- SF11PWTI
- SF11GYTI

- TI indikator + neonska tinjalica  
- 10A 250V~, tip SF11  
- sukladno normi EN 60669-1  
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

PUSH BUTTON 1WAY IP44 10A 250V~ \_\_ TI  
- TI indicator+neon lamp  
- 10A 250V~, type SF11  
- in accordance with EN 60669-1  
- plug-in contacts 1.5-2.5mm<sup>2</sup>



SKLOPKA DVOPOLNA IP44 10AX 250V ~



- SF20PW
- SF20GY

- 10AX 250V~, tip SF20  
- sukladno normi EN 60669-1  
- bezvijčani kontakti 1,5-2,5mm<sup>2</sup>

SWITCH 2POLE IP44 10AX 250V~  
- 10AX 250V~, type SF20  
- in accordance with EN 60669-1  
- plug-in contacts 1.5-2.5mm<sup>2</sup>







- SF50PW
- SF50GY

#### SKLOPKA SERIJSKA JEDNOPOLNA IP44 10AX 250V ~

- 10AX 250V~, tip SF50
- skladno normi EN 60669-1
- bežvičani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH 2GANG-1WAY IP44 10AX 250V~

- 10AX 250V~, type SF50
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SF51PW
- SF51GY

#### TIPKALO SERIJSKO JEDNOPOLNO IP44 10A 250V ~

- 10A 250V~, tip SF51
- skladno normi EN 60669-1
- bežvičani kontakti 1,5-2,5mm<sup>2</sup>

#### PUSH BUTTON 2GANG-1WAY IP44 10A 250V~

- 10A 250V~, type SF51
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SF60PW
- SF60GY

#### SKLOPKA IZMJENIČNA IP44 10AX 250V ~

- 10AX 250V~, tip SF60
- skladno normi EN 60669-1
- bežvičani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH 2WAY IP44 10AX 250V~

- 10AX 250V~, type SF60
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SF60PWTI
- SF60GYTI

#### SKLOPKA IZMJENIČNA IP44 10AX 250V ~ \_ TI

- TI indikator + neonska tinjalica
- 10AX 250V~, tip SF60
- skladno normi EN 60669-1
- bežvičani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH 2WAY IP44 10AX 250V~ \_ TI

- TI indikator+neon lamp
- 10AX 250V~, type SF60
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



- SF63PW
- SF63GY

#### SKLOPKA IZMJENIČNA DVOSTRUKA IP44 10AX 250V ~

- 10AX 250V~, tip SF63
- skladno normi EN 60669-1
- bežvičani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH 2WAY DOUBLE IP44 10AX 250V~

- 10AX 250V~, type SF63
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



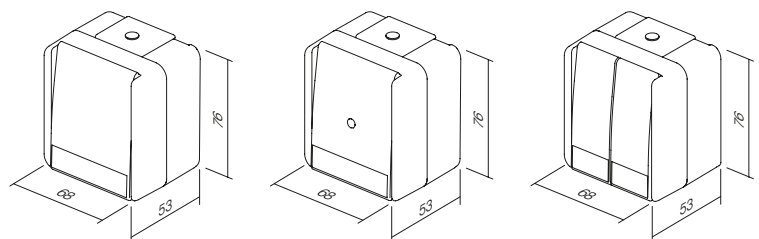
- SF70PW
- SF70GY

#### SKLOPKA KRIŽNA IP44 10AX 250V ~

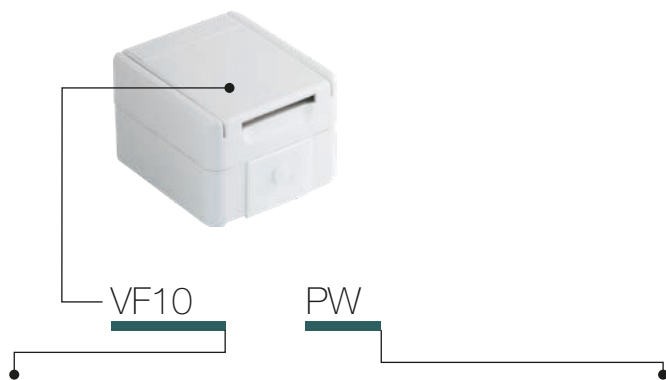
- 10AX 250V~, tip SF70
- skladno normi EN 60669-1
- bežvičani kontakti 1,5-2,5mm<sup>2</sup>

#### SWITCH INTERMEDIATE IP44 10AX 250V~

- 10AX 250V~, type SF70
- in accordance with EN 60669-1
- plug-in contacts 1.5-2.5mm<sup>2</sup>



# U T I Č N I C E V F S O C K E T S



tip type	naziv description	tehnički podaci technical data	boja colour
VF10	ŠUKO UTIČNICA+POKLOPAC SOCKET SCHUKO+COVER	IP44 2P+E 16A 250V~	<input type="checkbox"/> PW bijela mat (RAL 9016) white-mat  <input type="checkbox"/> GY mat siva grey-mat

## UTIČNICA ŠUKO + POKLOPAC IP44 2P+E 16A 250V ~



- VF10PW
- VF10GY

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- 2P+E šuko+poklopac
- 16A 250V~, tip VF10
- sukladno normama EN 60884-1, CEE7

### SOCKET SCHUKO+COVER IP44 2P+E 16A 250V~

- screw contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko+cover
- 16A 250V~, type VF10
- in accordance with EN 60884-1, CEE7



## UTIČNICA ŠUKO + POKLOPAC IP44 2P+E 16A 250V ~ BV

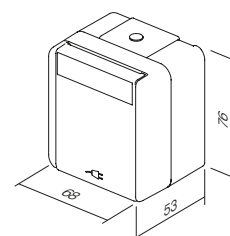


- VF12PWTI
- VF12GYTI

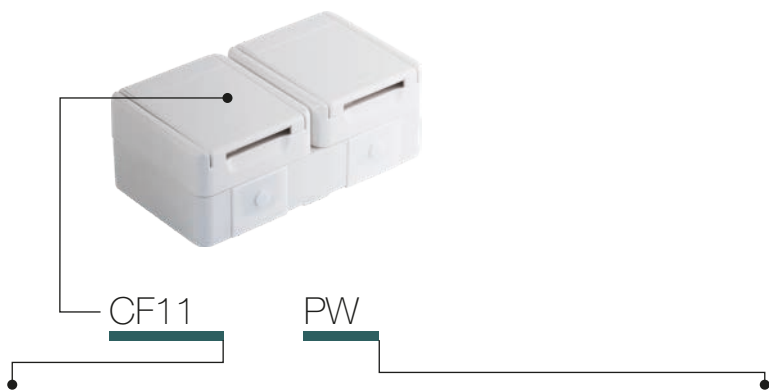
- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- 2P+E šuko+poklopac
- 16A 250V~, tip VF12
- sukladno normama EN 60884-1, CEE7

### SOCKET SCHUKO+COVER IP44 2P+E 16A 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko+cover
- 16A 250V~, type VF12
- in accordance with EN 60884-1, CEE7



SF10  
SF60



tip type	naziv description	tehnički podaci technical data	boja colour
CF10	SET ŠUKO UTIČNICA DVOSTRUKIH VODORAVNE SOCKET SET SCHUKO DOUBLE HORIZ	2x 2P+E 16A 250V~ IP44	<input type="checkbox"/> PW bijela mat (RAL 9016) white-mat
CF11	SET ŠUKO UTIČNICA DVOSTRUKIH OKOMITE SOCKET SET SCHUKO DOUBLE VERT	2x 2P+E 16A 250V~ IP44	<input checked="" type="checkbox"/> GY mat siva grey-mat
CF12	ŠUKO UTIČNICA + SKLOPKA IZMJENIČNI VODORAVNI SOCKET SCH+SWITCH 2WAY HORIZ	16A + 10A 250V~ IP44	
⋮	⋮	⋮	
⋮	⋮	⋮	



- CF10PW  
 CF10GY

#### SET ŠUKO UTIČNICA, DVOSTRUKI, VODORAVNI IP44 2x 2P+E 16A 250V ~

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- 2x 2P+E šuko + poklopac vodoravni
- 16A 250V~, tip CF10
- sukladno normama EN 60884-1, CEE7

#### SOCKET SET SCHUKO DOUBLE HORIZONTAL IP44 2x 2P+E 16A 250V~

- screw contacts 1.5-2.5mm<sup>2</sup>
- 2x 2P+E schuko+cover horizontal
- 16A 250V~, type CF10
- in accordance with EN 60884-1, CEE7



- CF11PW  
 CF11GY

#### SET ŠUKO UTIČNICA DVOSTRUKI, OKOMITI IP44 2x 2P+E 16A 250V ~

- vijčano pričvršćivanje vodiča presjeka 1,5-2,5 mm<sup>2</sup>
- 2x 2P+E šuko + poklopac, okomiti set
- 16A 250V~, tip CF11
- sukladno normama EN 60884-1, CEE7

#### SOCKET SET SCHUKO DOUBLE VERTICAL IP44 2x 2P+E 16A 250V~

- screw contacts 1.5-2.5mm<sup>2</sup>
- 2x 2P+E schuko+cover vertical
- 16A 250V~, type CF11
- in accordance with EN 60884-1, CEE7



- CF12PW  
 CF12GY

#### SET ŠUKO UTIČNICA + SKLOPKA IZMJENIČNA, VODORAVNI IP44 16A + 10AX 250V ~

- vijčano (priključnica), bezvijčano (sklopka) pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- 2P+E šuko+poklopac + sklopka izmjenična vodoravna
- 16A + 10AX 250V~, tip CF12
- sukladno normama EN 60884-1, CEE7, EN 60669-1

#### SOCKET SCH+SWITCH SET 2WAY HORIZONTAL IP44 16A + 10AX 250V~

- screw (socket), plug-in (switch) contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko+cover + switch 2-way horizontal
- 16A + 10AX 250V~, type CF12
- in accordance with EN 60884-1, CEE7, EN 60669-1



## SET ŠUKO UTIČNICA + SKLOPKA IZMJENIČNA, OKOMITI, IP44 16A + 10AX 250V~



- CF13PW
- CF13GY

- vijčano (priključnica), bezvijčano (sklopka)
- pričvršćivanje vodiča presjeka 1,5-2,5mm<sup>2</sup>
- 2P+E šuko+poklopac + sklopka izmjenična okomita
- 16A + 10AX 250V ~, tip CF13
- sukladno normama EN 60884-1, CEE7, EN 60669-1

## SOCKET SCH+SWITCH 2WAY SET VERTICAL IP44 16A + 10AX 250V~

- screw (socket), plug-in (switch)
- contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko+cover + switch 2-way vertical
- 16A + 10AX 250V~, type CF13
- in accordance with EN 60884-1, CEE7, EN 60669-1



## SET ŠUKO UTIČNICA DVOSTRUKI, VODORAVNI, IP44 2X 2P+E 16A 250V ~ BV



- CF14PW
- CF14GY

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- 2x 2P+E šuko + poklopac vodoravni
- 16A 250V~, tip CF14
- sukladno normama EN 60884-1, CEE7

## SOCKET SET SCHUKO DOUBLE HORIZONTAL IP44 2x 2P+E 16A 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2x 2P+E schuko+cover horizontal
- 16A 250V~, type CF14
- in accordance with EN 60884-1, CEE7



## SET ŠUKO UTIČNICA DVOSTRUKI, OKOMITI, IP44 2X 2P+E 16A 250V ~ BV



- CF15PW
- CF15GY

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- 2x 2P+E šuko + poklopac, okomiti set
- 16A 250V~, tip CF15
- sukladno normama EN 60884-1, CEE7

## SOCKET SET SCHUKO DOUBLE VERTICAL IP44 2x 2P+E 16A 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2x 2P+E schuko+cover vertical
- 16A 250V~, type CF15
- in accordance with EN 60884-1, CEE7



## SET UTIČNICA + SKLOPKA IZMJENIČNA, VODORAVNI, IP44 16A + 10AX 250V ~ BV



- CF16PW
- CF16GY

- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- 2P+E šuko+poklopac + sklopka izmjenična vodoravna
- 16A + 10AX 250V ~, tip CF16
- sukladno normama EN 60884-1, CEE7, EN 60669-1

## SOCKET+SWITCH SET SCH+2WAY HORIZONTAL IP44 16A + 10AX 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko+cover + switch 2-way horizontal
- 16A + 10AX 250V~, type CF16
- in accordance with EN 60884-1, CEE7, EN 60669-1



## SET UTIČNICA + SKLOPKA IZMJENIČNA, OKOMITI, IP44 16A + 10AX 250V ~ BV



- CF17PW
- CF17GY

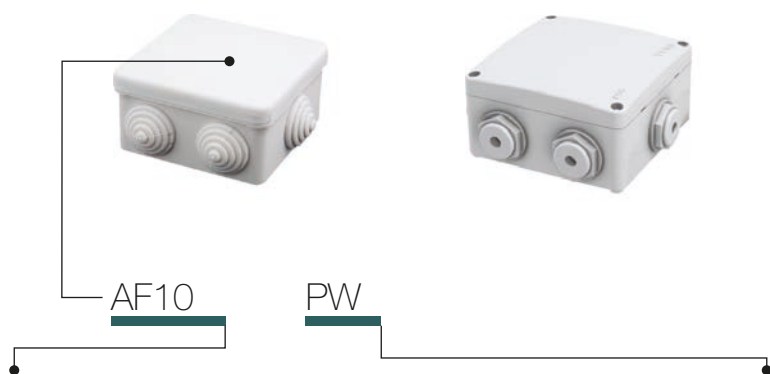
- BV bezvijčani kontakti 1,5-2,5mm<sup>2</sup>
- 2P+E šuko+poklopac + sklopka izmjenična okomita
- 16A + 10AX 250V ~, tip CF17
- sukladno normama EN 60884-1, CEE7, EN 60669-1

## SOCKET SCH+SWITCH 2WAY SET VERTICAL IP44 16A + 10AX 250V~ BV

- BV plug-in contacts 1.5-2.5mm<sup>2</sup>
- 2P+E schuko+cover + switch 2-way vertical
- 16A + 10AX 250V~, type CF17
- in accordance with EN 60884-1, CEE7, EN 60669-1



# P R I B O R   A F A C C E S S O R I E S



tip type	naziv description	tehnički podaci technical data	boja colour
AF10	RAZDJELNI ORMARIĆ DISTRIBUTION BOX	IP44 RN01	<input type="checkbox"/> PW bijela mat (RAL 9016) white-mat
AF20	RAZDJELNI ORMARIĆ DISTRIBUTION BOX	IP55 NDO1	<input type="checkbox"/> GY mat siva grey-mat

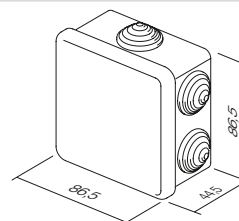
## RAZDJELNI ORMARIĆ IP44 RN01



- AF10PW
- AF10GY

- nadžbukni razdjelni ormarić IP44
- 16A 400V ~
- sukladno normi EN 60309-1

**DISTRIBUTION BOX IP44 RN01**  
- surface mounting distribution box IP44  
- 16A 400V ~  
- in accordance with EN 60309-1



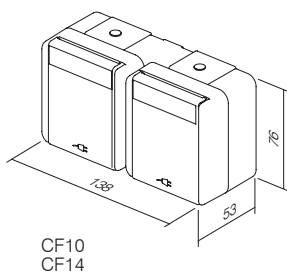
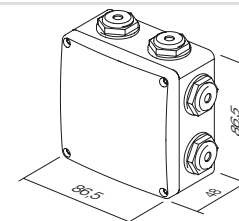
## RAZDJELNI ORMARIĆ IP55 ND01



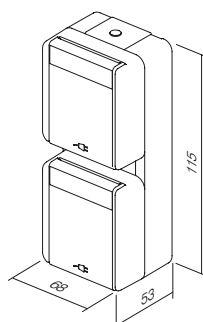
- AF20PW
- AF20GY

- nadžbukna priključna kutija IP55
- brtve uključene
- sukladno normi EN 60309-1

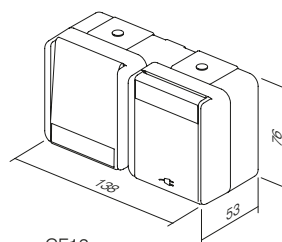
**DISTRIBUTION BOX IP55 ND01**  
- surface mounting connection box IP55  
- glands included  
- in accordance with EN 60309-1



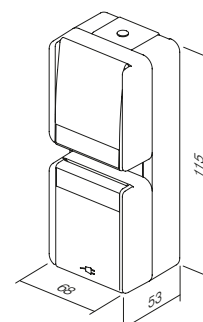
CF10  
CF14



CF11  
CF15



CF12  
CF16



CF13  
CF17



## MODUL

šifra	opis proizvoda	stranica	šifra	opis proizvoda	stranica
<b>SKLOPKE SM</b>			<b>DODACI KOMUNIKACIJA KA</b>		
SM10	SKLOPKA JEDNOPOLNA 16AX 250V~ 1M	64	KA10	KONEKTOR KS CAT3 RJ11 6/4	84
SM11	TIPKALO JEDNOPOLNO 16A 250V~ 1M	64	KA11	KONEKTOR KS CAT5e RJ45 8/8	84
SM12	SKLOPKA JEDNOPOLNA 20A 250V~ 1M	64	KA12	KONEKTOR KS CAT5eS RJ45 8/8	84
SM20	SKLOPKA DVOPOLNA 16AX 250V~ 1M	64	KA15	KONEKTOR KS CAT6 SCHRACK RJ45 8/8	84
SM40	SKLOPKA ŽALUZIJSKA 1-0-2 16AX 250V~ 1M	65	KA16	KONEKTOR KS CAT6S SCHRACK RJ45 8/8	84
SM41	TIPKALO ŽALUZIJSKO 1-0-2 16A 250V~ 1M	65	KA17	KONEKTOR KS CAT6a SCHRACK RJ45 8/8	84
SM60	SKLOPKA IZMJENIČNA 16AX 250V~ 1M	65	KA18	KONEKTOR TANKI KS CAT6S SCHRACK RJ45 8/8	85
SM61	TIPKALO IZMJENIČNO 16A 250V~ 1M	65	KA27	KONEKTOR KS HDMI	85
SM70	SKLOPKA KRIŽNA 16AX 250V~ 1M	65	<b>ELEKTRONIKA EM</b>		
SM10--	SKLOPKA JEDNOPOLNA 16AX 250V~ 1M	66	EM10--	REGULATOR OSVETLJENJA ROTACIJSKI R 300W 1M	86
SM10--IN	SKLOPKA JEDNOPOLNA 16AX 250V~ 1M IN	66	EM12--	REGULATOR OSVETLJENJA ROTACIJSKI IZMJENIČNI RL 300W 1M	86
SM11--	TIPKALO JEDNOPOLNO 16A 250V~ 1M	66	EM13--	REGULATOR OSVETLJENJA ROTACIJSKI IZMJENIČNI LED 60W 1M	87
SM11--IN01	TIPKALO JEDNOPOLNO 16A 250V~ 1M IN 01	66	EM14--	REGULATOR OSVETLJENJA ROTACIJSKI IZMJENIČNI LED 180W 1M	87
SM11--IN02	TIPKALO JEDNOPOLNO 16A 250V~ 1M IN 02	67	EM21	REGULATOR OSVETLJENJA UGRADNI RLC 300W	88
SM20--NT03	SKLOPKA DVOPOLNA 16AX 250V~ 1M NT 03	67	EM22	REGULATOR OSVETLJENJA UGRADNI R 500W	88
SM20--IN	SKLOPKA DVOPOLNA 16AX 250V~ 1M IN	67	EM25--	SKLOPKA/REGULATOR OSVETLJENJA UNIVEZALNI RLC 0-300W 2M	90
SM40--NT10	SKLOPKA ŽALUZIJSKA 1-0-2 16AX 250V~ 1M NT 10	67	EM26--	UPRAVLJAČKA JEDINICA - TIPKALO 2M	92
SM41--NT10	TIPKALO ŽALUZIJSKO 1-0-2 16A 250V~ 1M NT 10	67	EM27	FREKVENCIJSKI FILTAR	92
SM60--	SKLOPKA IZMJENIČNA 16AX 250V~ 1M	67	EM25PPOL20	SET SKLOPKA/REGULATOR OSVETLJENJA UNIVERZALNI RLC 0-300W 2M PP OL20	92
SM61--	TIPKALO IZMJENIČNO 16A 250V~ 1M	68	EM31--	IR SKLOPKA 5A 250V~ 1M	93
SM62--CD	TIPKALO IZMJENIČNO S UZICOM 16A 250V~ 1M CD	68	EM32--	IR SKLOPKA 5A 250V~ 2M	93
SM70--	SKLOPKA KRIŽNA 16AX 250V~ 1M	68	EM37--	TERMOSTAT OSNOVNI 6A 230V~2M	95
<b>TIPKE TM</b>			NM39	NOSAČ S VIJCIMAZA TERMOSTATE FANTINI COSMI 3M	96
TM11--	TIPKA 1M	69	EM40--	ŠTEDNA KARTIČNA SKLOPKA 3A 250V~ 3M	96
TM11--IN	TIPKA 1M INDIKATOR	69	EM47	KARTICA ISO	96
TM12--	TIPKA 2M	69	EM44--	ŠTEDNA KARTIČNA SKLOPKA RF HF 13,56MHz 3M	97
TM12--IN	TIPKA 2M INDIKATOR	69	EM49	ŠTEDNA KONTROLNA JEDINICA 2x16A 250V~	97
TM13--IL	TIPKA 2M S NATPISNOM PLOČICOM	70	EM45	RAZDCAJAČ SPL-1	97
TM15--	TIPKA 1M DVOPOLNA	70	EM60--	UTIČNICA ZA BRIJAČI APARAT 230V~/120V~ 3M	98
TM21--	SLJEPI ELEMENT 1M	70	EM65--	USB PUNJAČ 5V 1A 2M	98
TM22--	SLJEPI ELEMENT 2M	70	EM66--	JEDINICA NAPA JANJA 5V 2,1A 1M	99
TM31--	UVODNICA 1M	70	EM55	LED SVJETILJKA ZA SLUČAJ NUŽDE 250V~ 0,9W, NiCd 3h 7M	99
<b>OSVETLJENJE IA</b>			EM50--	LED SVJETILJKA JEDNOBOJNA 250V~ 0,8W 2M	100
IA10--	NEONSKA TINJALICA 230V~ 0,34W	72	EM51--	LED SVJETILJKA DVOBOJNA 250V~ 2x0,4W 2M	100
IA20--	LED TINJALICA 230V~ AC/DC 0,40W	72	EM52--	LED SVJETILJKA 3D DVOBOJNA 250V~ 2x0,4W 2M	100
IA21--	LED TINJALICA 24V AC/DC 0,20W	72	EM70--	SKLOPKA NA OTISAK PRSTA ARX ONE 2M	101
IA22--	LED TINJALICA 12V AC/DC 0,10W	72	EM80--	SKLOPKA BESKONTAKTNA 10A 240V~	102
IA50	RC SKLOP 250V	72	EM81--	SKLOPKA BESKONTAKTNA, UPRAVLJAČKA JEDINICA	102
<b>UTIČNICE VM</b>			EM90--	ZVONO 8VA 230V~ 1M	103
VM10--	UTIČNICA ŠUKO+KS 2P+E 16A 250V~ 2M	74	EM91--	ZVONO 8VA 12V 1M	103
VM11--	UTIČNICA ŠUKO+KS+POKLOPAC 2P+E 16A 250V~ 2M	74	EM92--	ZVONO 8VA 230V~ 1M	103
VM20--	UTIČNICA EURO+KS 2P 10A 250V~ 1M	75	EM93--	ZVONO 8VA 12V 1M	103
VM40--	UTIČNICA FRANCUSKA+KS 2P+E 16A 250V~ 2M	75	EM95--	REGULATOR GLASNOĆE ZA 100V AUDIO LINIJU 35W 2M	104
VM41--	UTIČNICA FRANCUSKA+KS+POKLOPAC 2P+E 16A 250V~ 2M	75	EM96--	REGULATOR GLASNOĆE 4-8 Ω 35W 2M	104
VM30--	UTIČNICA TALIJANSKA P17/11+KS 2P+E 16A 250V~ 1M	75	<b>SETOVI CM</b>		
VM31--	UTIČNICA ŠUKO TALIJANSKA P17/11+KS 2P+E 16A 250V~ 2M	75	CM10--	SET UTIČNICA 2x ŠUKO 2P+E 16A 250V~ 4M	105
VM32--	UTIČNICA ŠUKO TALIJANSKA P30+KS 2P+E 16A 250V~ 2M	76	CM11--	SET UTIČNICA 3x ŠUKO 2P+E 16A 250V~ 7M	105
VM33--	UTIČNICA TALIJANSKA P11+KS 2P+E 10A 250V~ 1M	76	CM15	SET SPOJNIH VODOVA 3x1,5mm <sup>2</sup> 1M	106
VM21--	UTIČNICA EURO/AMERIČKA+KS 2P 16A 250V~ 1M	76	CM16	SET SPOJNIH VODOVA 3x2,5mm <sup>2</sup> 2M	106
VM51--	UTIČNICA BRITANSKA BS546+KS 2P+E 15A 250V~ 2M	76	CM17	SET VIJAKA 3,5x20	106
VM52--	UTIČNICA BRITANSKA BS 1363+KS 2P+E 13A 250V~ 2M	76	CM18	SET VIJAKA 3,5x35	106
VM80	PRENAPONSKA ZAŠTITA MPE MINI 275V/50Hz	76	CM19	SET VIJAKA 3,5x50	106
<b>KOMUNIKACIJE KM</b>			CM22--	SET ZA SKLOPKE IP44 2M	106
KM10--	UTIČNICA TV OSNOVNA 0dB 1M	78	CM23--	SET ZA UTIČNICU IP44 2M	106
KM20--	UTIČNICA TV OSNOVNA 0dB 2M	78	CM25--OL	KUPAONSKI SET 3x20AX 250V~ 4M	106
KM11--	UTIČNICA TV ZAVRŠNA 1dB 1M	78	CM25--OS	KUPAONSKI SET 3x20AX 250V~ 4M	106
KM12--	UTIČNICA TV PROLAZNA 10dB 1M	78	NM41	NOSAČI ZA KUPAONSKI SET 4M	107
KM15--	UTIČNICA SAT OSNOVNA 0dB 1M	79	OL41--	OKVIR LINE ZA KUPAONSKI SET	107
KM24--	UTIČNICA SAT OSNOVNA 0dB 2M	79	OS41--	OKVIR SOFT ZA KUPAONSKI SET	107
KM16--	UTIČNICA SAT ZAVRŠNA 1dB 1M	79	<b>ANTIBAKTERIJSKI PROGRAM AW</b>		
KM19--	UTIČNICA R OSNOVNA 0dB 1M	79	TM11AW	TIPKA 1M	109
KM29--	UTIČNICA R OSNOVNA 0dB 2M	79	TM11AWIN	TIPKA 1M INDIKATOR	109
KM25--	UTIČNICA SAT-TV ZAVRŠNA 1dB 2M	79	TM12AW	TIPKA 2M	109
KM22--	UTIČNICA AUDIO 2xRCA 1M	80	TM12AWIN	TIPKA 2M INDIKATOR	109
KM23--	UTIČNICA AUDIO ZVUČNICI 1M	80	TM21AW	SLJEPI ELEMENT 1M	109
KM26--	UTIČNICA AUDIO ZVUČNICI 2M	80	TM22AW	SLJEPI ELEMENT 2M	109
KM30--	UTIČNICA TEL LT RJ11 6/4 1M	81	VM10AW	UTIČNICA ŠUKO+KS 2P+E 16A 250V~ 2M	110
KM31--	UTIČNICA TEL BT SEC 6/6 1M	81	VM11AW	UTIČNICA ŠUKO+KS+POKLOPAC 2P+E 16A 250V~ 2M	110
KM36--	UTIČNICA TEL KS RJ11 6/4 1M	81	VM20AW	UTIČNICA EURO+KS 2P 10A 250V~ 1M	110
KM37--	UTIČNICA CAT5e KS RJ45 8/8 1M	81	KM11AW	UTIČNICA TV ZAVRŠNA 1dB 1M	110
KM35--	ADAPTER KS 1M	81	KM35AW	ADAPTER KS 1M	110
KM38--	ADAPTER KS SA ZAŠTITOM OD PRAŠINE 1M	81	OS20AW	OKVIR SOFT 2M	111
KM39--	UTIČNICA CAT6 SCH KS RJ45 8/8 1M	82	OS24AW	OKVIR SOFT 2x2M	111
KM50--	ADAPTER KS UNIVERZALNI 1M	82	OS26AW	OKVIR SOFT 3x2M	111
KM40--	ADAPTER PD 1M	82	OS30AW	OKVIR SOFT 3M	111
KM43--	ADAPTER PD SA ZAŠTITOM OD PRAŠINE 1M	82	OS40AW	OKVIR SOFT 4M	111
KM46--	ADAPTER R&M 1M	82	OS70AW	OKVIR SOFT 7M	111
KM47--	ADAPTER R&M SA ZAŠTITOM OD PRAŠINE 1M	82			
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šifra	opis proizvoda	stranica
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OP70--	OKVIR PURE 7M	115
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OL13--	OKVIR LINE 1/3M	119
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OS30--	OKVIR SOFT 3M	123
OS40--	OKVIR SOFT 4M	123
OS70--	OKVIR SOFT 7M	123
OS72--	OKVIR SOFT 2x7M	123
OS10--	OKVIR SOFT 1/2M	123
OS13--	OKVIR SOFT 1/3M	123
OS23--	OKVIR SOFT 2/3M	123

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NM24	NOSAČ METALNI S NOŽICAMA 2M	128
NM25	NOSAČ METALNI BEZ VIJAKA 2M	128
NM30	NOSAČ S VIJCIMA 3M	129
NM40	NOSAČ S VIJCIMA 4M	129
NM70	NOSAČ S VIJCIMA 7M	129
NM72	NOSAČ S VIJCIMA 2x7M	129
NM10	NOSAČ S NOŽICAMA 1/2M	130
NM11	NOSAČ BEZ VIJAKA 1/2M	130
NM23	NOSAČ S NOŽICAMA 2/3M	130
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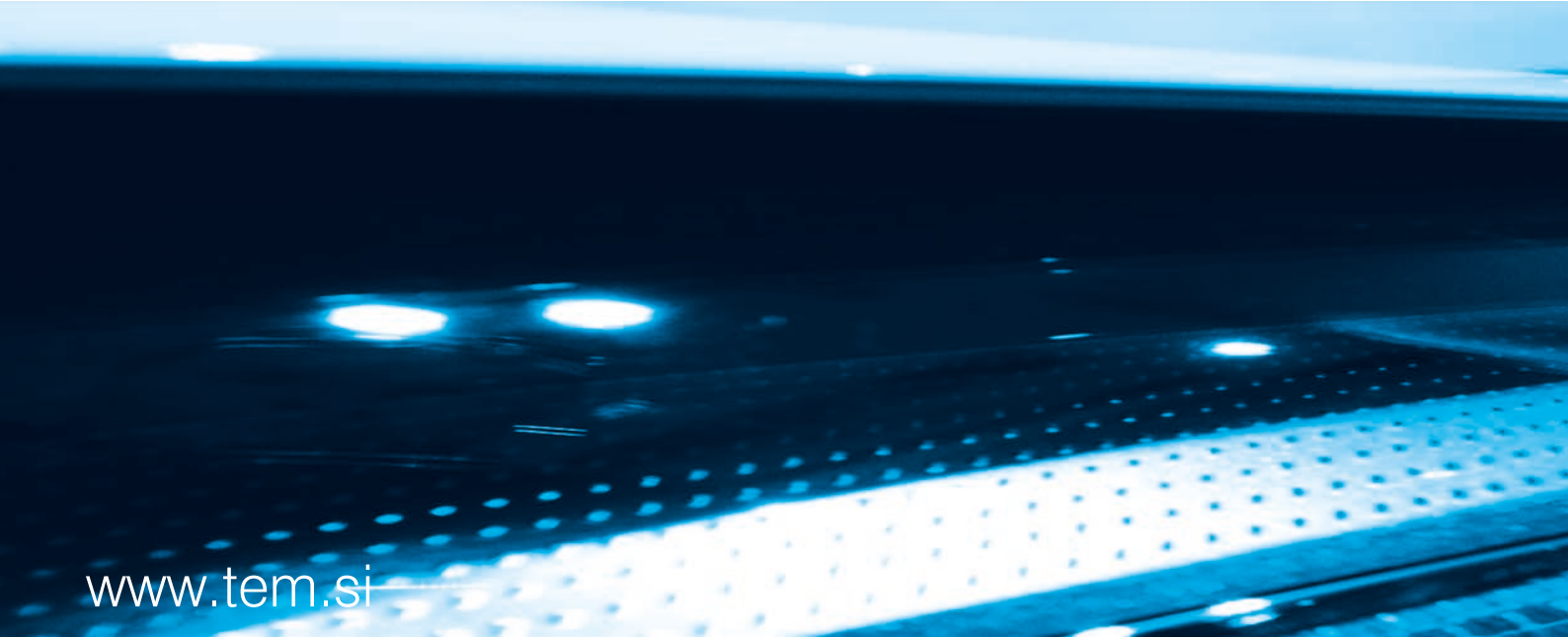


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