



BLACK BOX

**electric switches
and sockets**





TEM

MODUL

The MODUL family lines reflect a modern and sophisticated lifestyle. You can choose from three different lines:

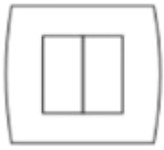
PURE — line — soft

A wide selection of colours, patterns and shapes to alter the appearance of your switches and sockets so that they fit the desired atmosphere and mood.

ekonomik®

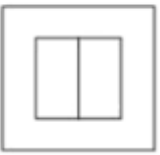
EKONOMIK is a solution for the system of standardized round installations boxes. It can be used for simple as well as more demanding installations, new buildings and adaptations.

The system is characterised by plug-in contacts which save time during installation of elements. A neutral, compact, elegant design is adjustable to every working or living area.



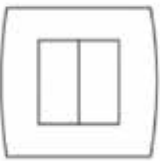
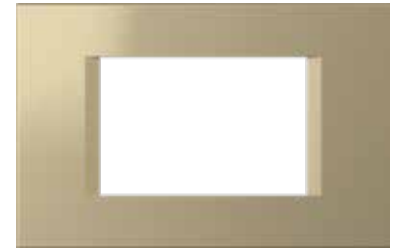
PURE

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

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



soft

The Soft switch line is characterised by its perfectly soft shapes rounded off by a subtle selection of colours and special coatings for a special touch..

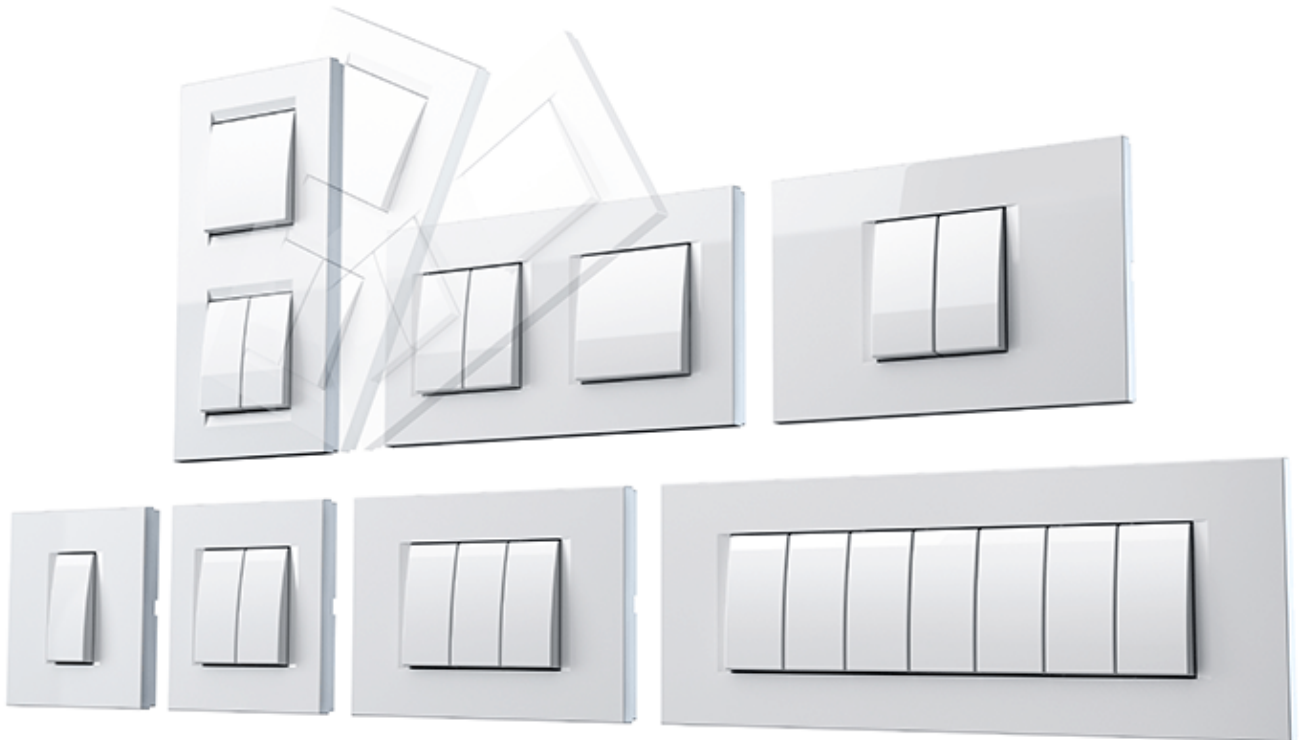


Create any configuration you wish

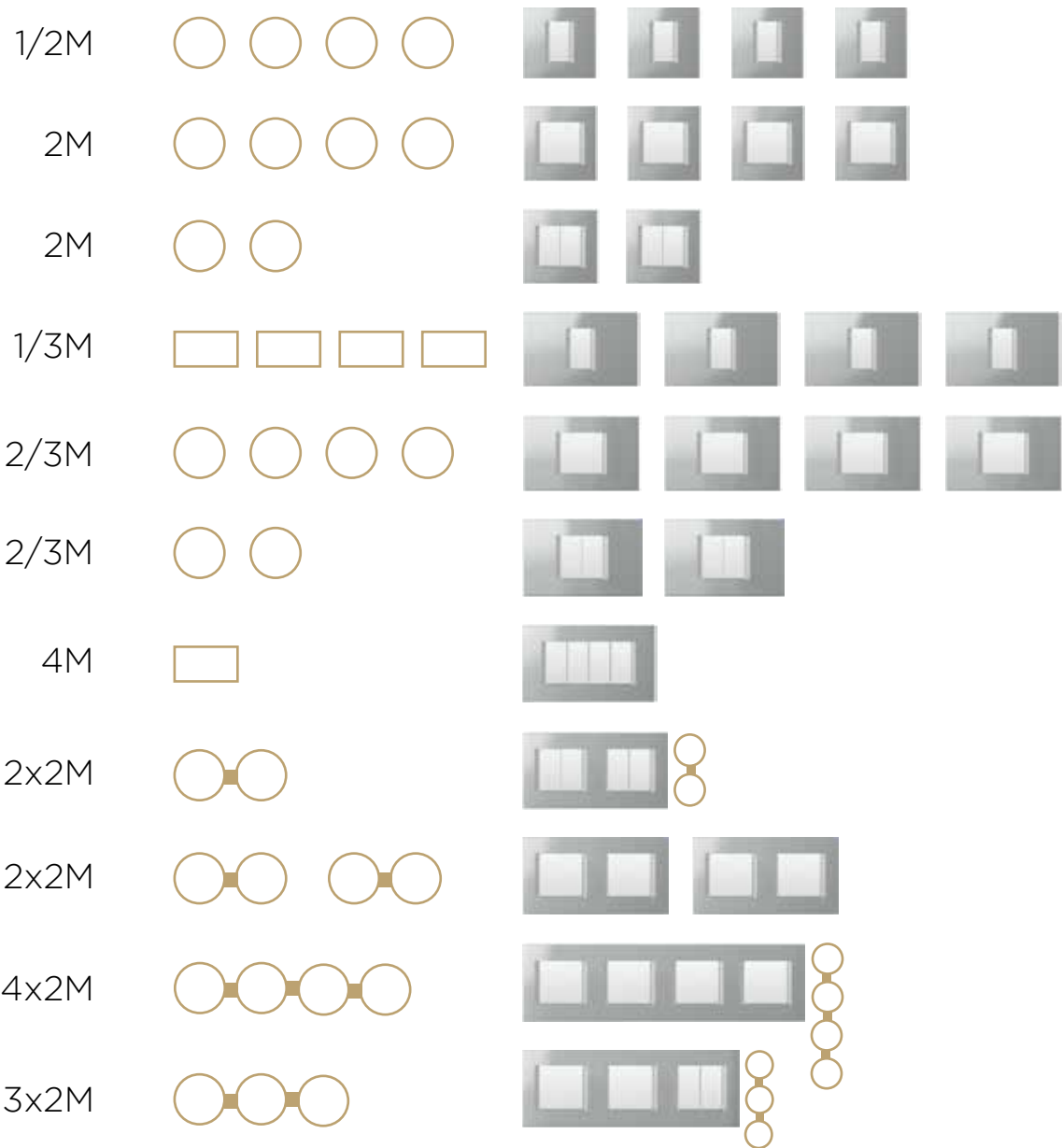
TEM bring you a comprehensive system that features a variety of elements, allowing you to create any configuration you wish. The basic elements of the system are modular and can be combined horizontally or vertically, individually or in groups.

$$1M = \text{[Module]}$$

$$2M = \text{[Module] [Module]} = \text{[2-Module]}$$



Solutions for 4 switches

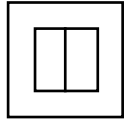


PURE

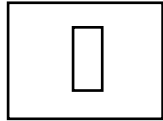


PURE

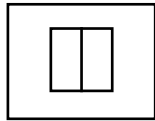
cover plate configurations



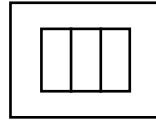
2M



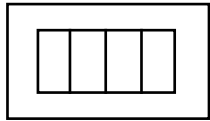
1/3M



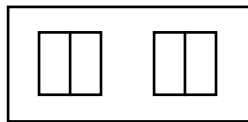
2/3M



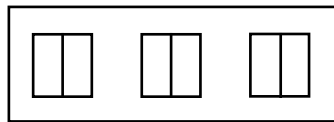
3M



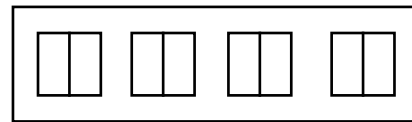
4M



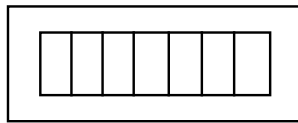
2x2M



3x2M



4x2M



7M

PURE
glass



GW
ice white



GG
ice green



GY
ice grey

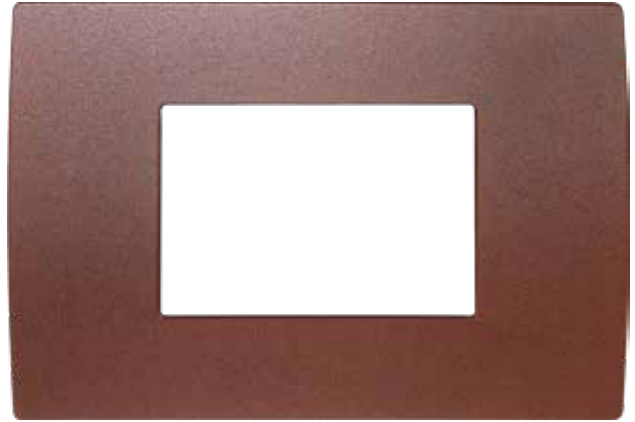


GB
ice blue

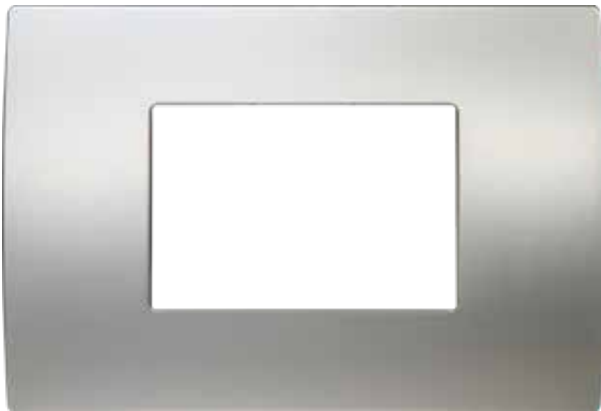
PURE
metal



MH
hammered steel



ME
etched iron

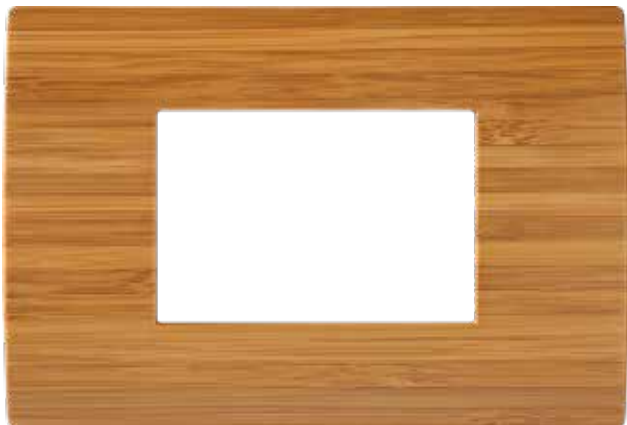


MS
satin silver



MN
satin nickel

PURE
wood



WB
bamboo



WW
walnut



WM
maple



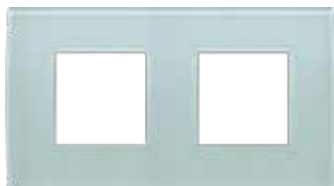
WE
wenge





PURE 2M

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

Mounting frame: NM24 or NM25 only













PURE 2x2M

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

Mounting frame: NM24 or NM25 only



PURE 3x2M

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

Mounting frame: NM24 or NM25 only



PURE 4x2M

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

Mounting frame: NM24 or NM25 only



PURE 3M

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



PURE 4M

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



PURE 7M

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



PURE 1/3M

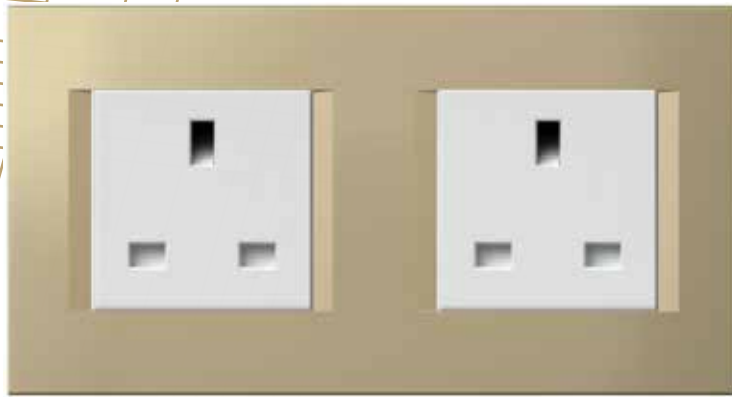
 OP13MH	 OP13WB	 OP13GW
 OP13ME	 OP13WW	 OP13GG
 OP13MS	 OP13WM	 OP13GY
 OP13MN	 OP13WE	 OP13GB



PURE 2/3M

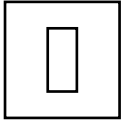
 OP23MH	 OP23WB	 OP23GW
 OP23ME	 OP23WW	 OP23GG
 OP23MS	 OP23WM	 OP23GY
 OP23MN	 OP23WE	 OP23GB

line

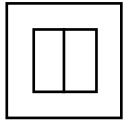


~~line~~

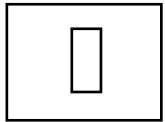
cover plate configurations



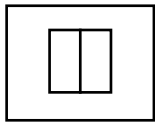
1/2M



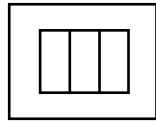
2M



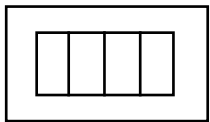
1/3M



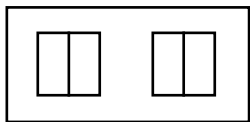
2/3M



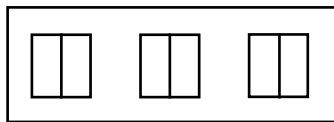
3M



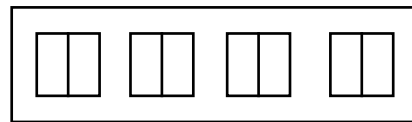
4M



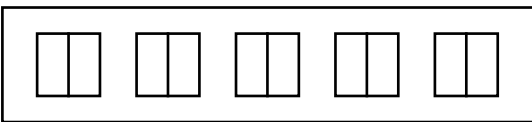
2x2M



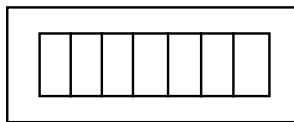
3x2M



4x2M

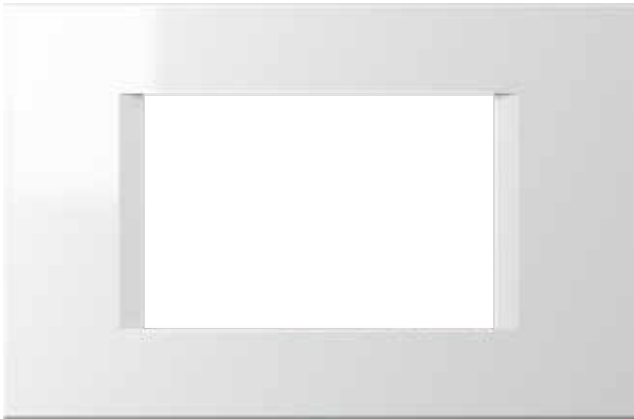


5x2M



7M

line
basic



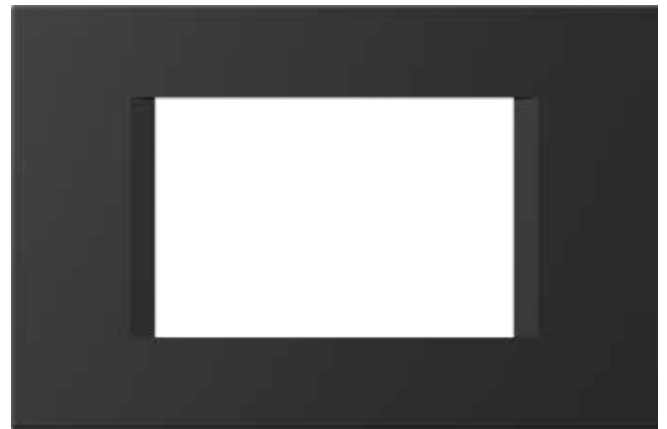
PW
polar white



IW
ivory white

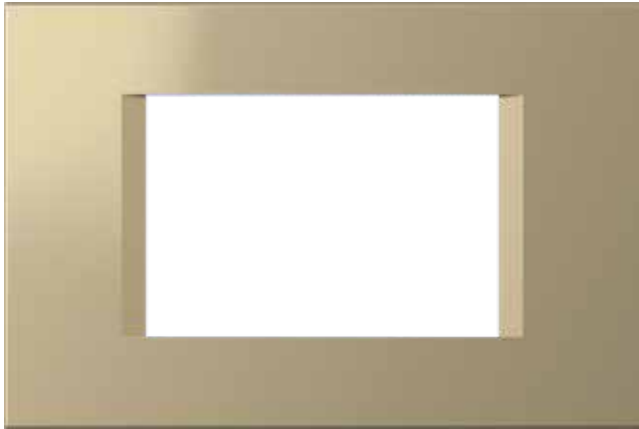


ES
elox silver



SB
soft touch black

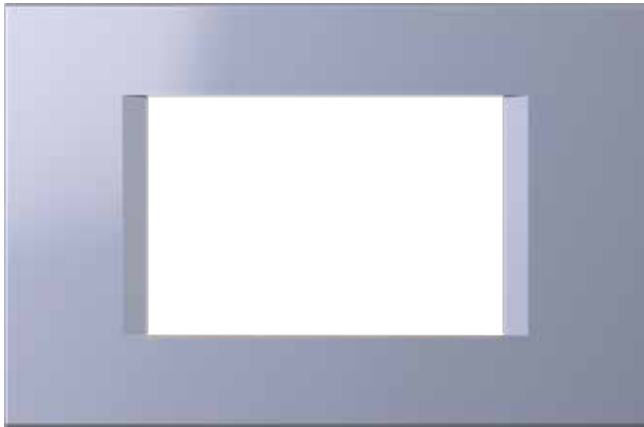
line
decor



SG
sand gold



NB
night black



IB
impulse blue



AT
anthracite

line
decor







TI
titanium



SW
stone white













LINE 2M

 OL20PW	 OL20NB
 OL20IW	 OL20IB
 OL20ES	 OL20AT
 OL20SB	 OL20TI
 OL20SG	 OL20SW



LINE 2x2M

Horizontal or vertical mounting

 OL24PW	 OL24NB
 OL24IW	 OL24IB
 OL24ES	 OL24AT
 OL24SB	 OL24TI
 OL24SG	 OL24SW



LINE 3x2M

Horizontal or vertical mounting

 OL26PW	 OL26NB
 OL26IW	 OL26IB
 OL26ES	 OL26AT
 OL26SB	 OL26TI
 OL26SG	 OL26SW



LINE 4x2M

Horizontal or vertical mounting

 OL28PW	 OL28NB
 OL28IW	 OL28IB
 OL28ES	 OL28AT
 OL28SB	 OL28TI
 OL28SG	 OL28SW



LINE 5x2M

Horizontal or vertical mounting

- OL28PW
- OL28IW
- OL28ES
- OL28SB



LINE 3M

- OL30PW
- OL30IW
- OL30ES
- OL30SB
- OL30SG
- OL30NB
- OL30IB
- OL30AT
- OL30TI
- OL30SW



LINE 4M

- OL40PW
- OL40IW
- OL40ES
- OL40SB
- OL40SG
- OL40NB
- OL40IB
- OL40AT
- OL40TI
- OL40SW








LINE 7M

- OL70PW
- OL70IW
- OL70ES
- OL70SB
- OL70SG
- OL70NB
- OL70IB
- OL70AT
- OL70TI
- OL70SW



LINE 1/2M

 OL10PW	 OL10NB
 OL10IW	 OL10IB
 OL10ES	 OL10AT
 OL10SB	 OL10TI
 OL10SG	 OL10SW



LINE 1/3M

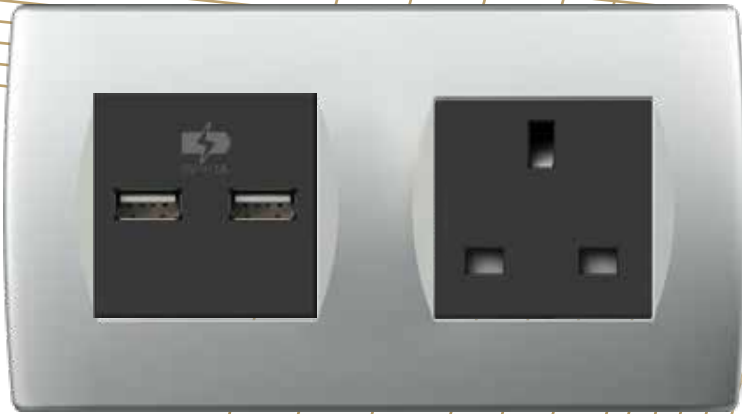
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 OL13IW	 OL13IB
 OL13ES	 OL13AT
 OL13SB	 OL13TI
 OL13SG	 OL13SW



LINE 2/3M

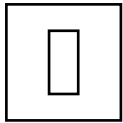
 OL23PW	 OL23NB
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 OL23ES	 OL23AT
 OL23SB	 OL23TI
 OL23SG	 OL23SW

soft

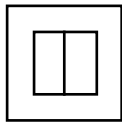


soft

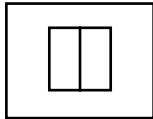
cover plate configurations



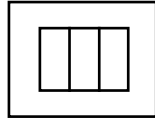
1/2M



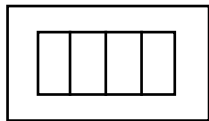
2M



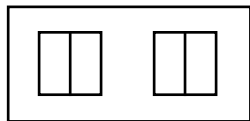
2/3M



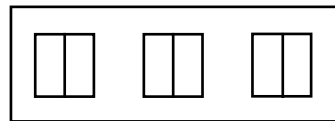
3M



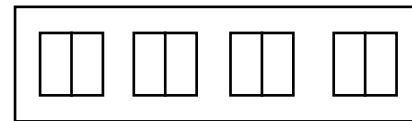
4M



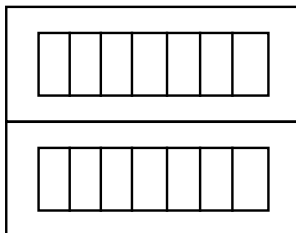
2x2M



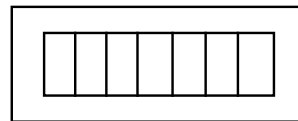
3x2M



4x2M

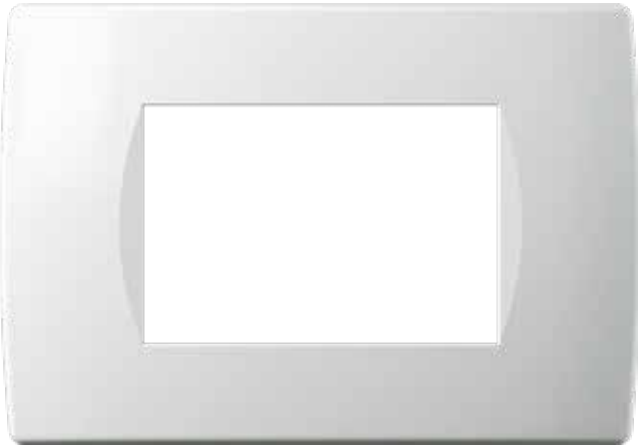


2x7M

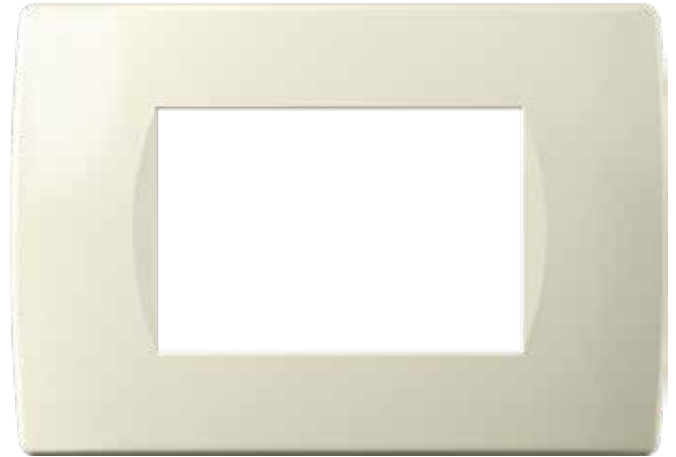


7M

soft
basic



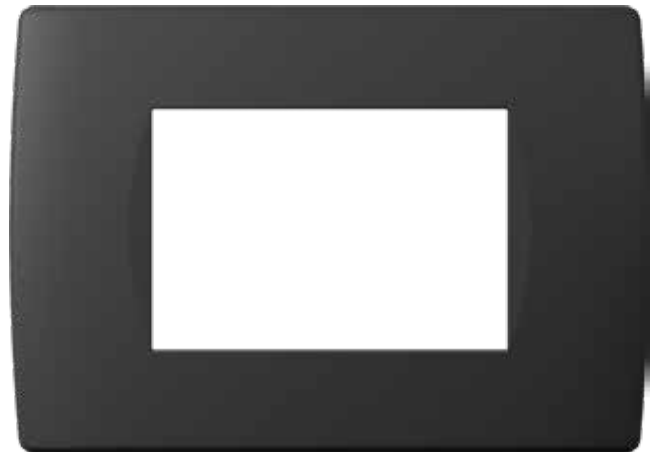
PW
polar white



IW
ivory white



ES
elox silver

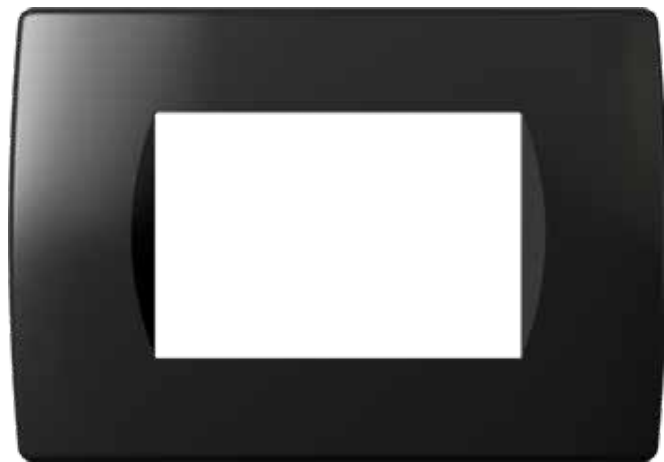


SB
soft touch black

soft
decor



SG
sand gold



NB
night black



AT
anthracite

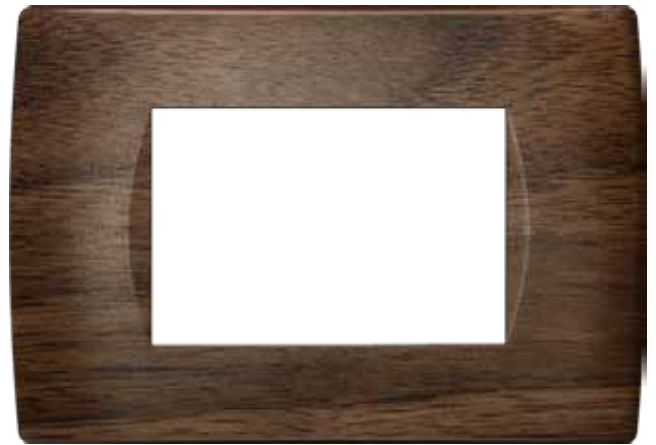


TI
titanium

soft
decor



WE
wenge



WW
walnut



SOFT 2M

	OS20PW		OS20NB
	OS20IW		OS20AT
	OS20ES		OS20TI
	OS20SB		OS20WE
	OS20SG		OS20WW



SOFT 2x2M

Horizontal or vertical mounting

	OS24PW		OS24NB
	OS24IW		OS24AT
	OS24ES		OS24TI
	OS24SB		OS24WE
	OS24SG		OS24WW



SOFT 3x2M

Horizontal or vertical mounting

	OS26PW		OS26NB
	OS26IW		OS26AT
	OS26ES		OS26TI
	OS26SB		OS26WE
	OS26SG		OS26WW



SOFT 4x2M

Horizontal or vertical mounting

	OS28PW		OS28NB
	OS28IW		OS28AT
	OS28ES		OS28TI
	OS28SB		OS28WE
	OS28SG		OS28WW



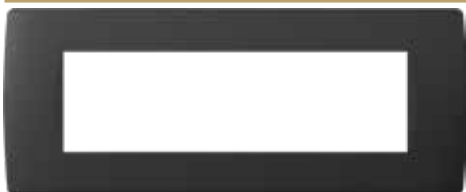
SOFT 3M

	OS30PW		OS30NB
	OS30IW		OS30AT
	OS30ES		OS30TI
	OS30SB		OS30WE
	OS30SG		OS30WW



SOFT 4M

	OS24PW		OS24NB
	OS24IW		OS24AT
	OS24ES		OS24TI
	OS24SB		OS24WE
	OS24SG		OS24WW



SOFT 7M

	OS26PW		OS26NB
	OS26IW		OS26AT
	OS26ES		OS26TI
	OS26SB		OS26WE
	OS26SG		OS26WW



SOFT 2x7M

	OS72PW
	OS72IW
	OS72ES
	OS72SB



SOFT 1/2M

 OS10PW	 OS10NB
 OS10IW	 OS10AT
 OS10ES	 OS10TI
 OS10SB	 OS10WE
 OS10SG	 OS10WW



SOFT 1/3M

 OS13PW	 OS13NB
 OS13IW	 OS13AT
 OS13ES	 OS13TI
 OS13SB	 OS13WE
 OS13SG	 OS13WW



SOFT 2/3M

 OS23PW	 OS23NB
 OS23IW	 OS23AT
 OS23ES	 OS23TI
 OS23SB	 OS23WE
 OS23SG	 OS23WW

Frame dimensions



line
A x B

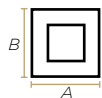


soft
A x B



PURE
A x B

2M

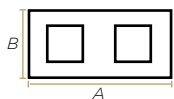


80 x 80 mm

84 x 84 mm

93 x 90 mm

2x2M

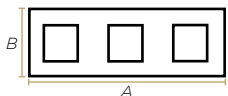


151 x 80 mm

154 x 84 mm

164 x 90 mm

3x2M

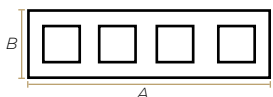


222 x 80 mm

226 x 84 mm

235 x 90 mm

4x2M

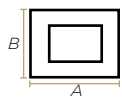


239 x 80 mm

297 x 84 mm



3M

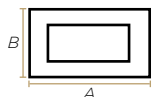


122 x 80 mm

122 x 84 mm

134 x 90 mm

4M

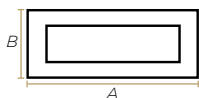


149 x 80 mm

144 x 84 mm

157 x 90 mm

7M

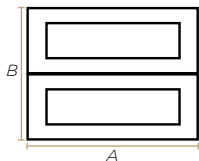


207 x 80 mm

212 x 84 mm

224 x 90 mm

7x2M



212 x 158 mm



line
A x B

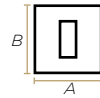


soft
A x B



PURE
A x B

2M

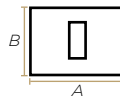


80 x 80 mm

84 x 84 mm

93 x 90 mm

2x2M

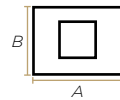


151 x 80 mm

154 x 84 mm

164 x 90 mm

3x2M

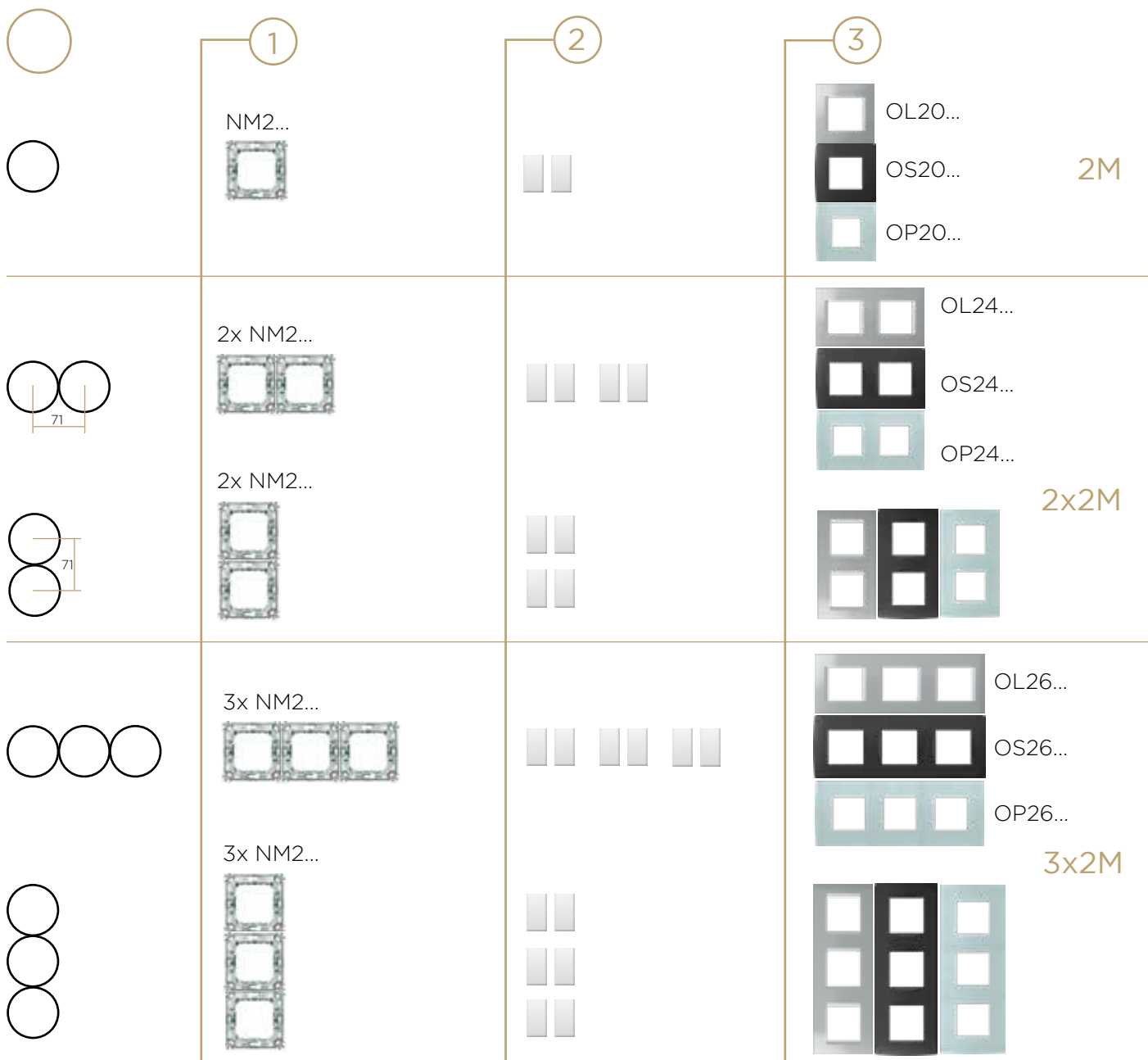


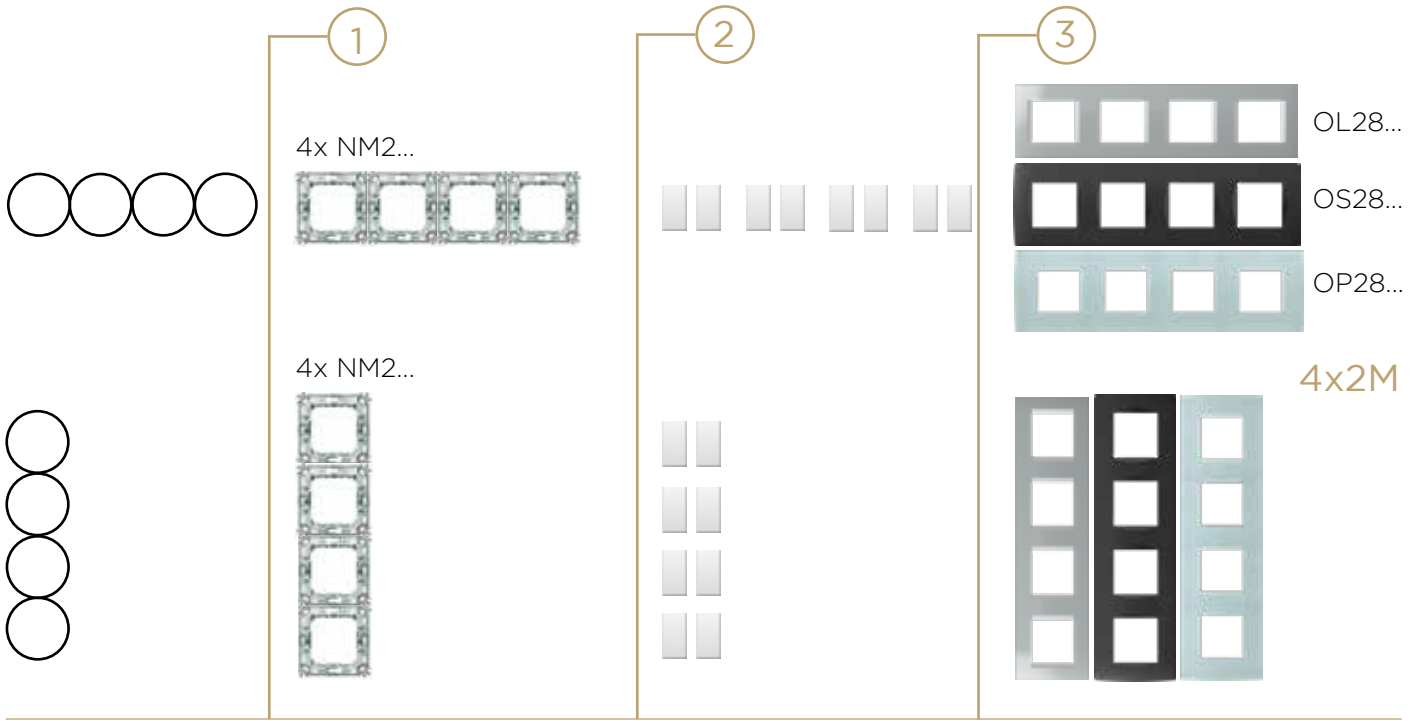
222 x 80 mm

226 x 84 mm







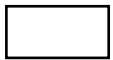





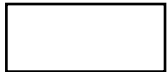









235 x 90 mm















Mounting Frames Combinations





Mounting Frames Combinations

	①	②	③	
	NM30 		 OL30...  OS30...  OP30...	3M
	NM40 		 OL40...  OS40...  OP40...	4M
	NM70 		 OL70...  OS70...  OP70...	7M
	NM72 		 OS72...	2x7M

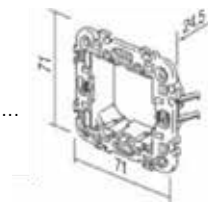
○/□	①	②	③
○	NM1... 		 OL10...  OS10... 1/2M
□	NM30 		 OL13...  OS13...  OP13... 1/3M
○/□	NM23 NM32 		 OL23...  OS23...  OP23... 2/3M

Mounting Frames



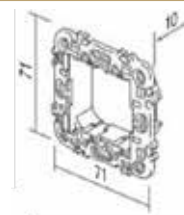
NM20

- Mounting Frame with claws - 2M
- For mounting on boxes Ø60 (DE...) with claws
- Possible horizontal or vertical combinations 2x2M, 3x2M, 4x2M...
- Suitable for assembling with cover plates LINE and SOFT



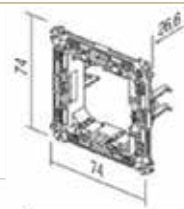
NM21

- Mounting Frame without screws and claws - 2M
- For mounting on boxes Ø60 (HE..., BE...) with screws
- Possible horizontal or vertical combinations 2x2M, 3x2M, 4x2M...
- Suitable for assembling with cover plates LINE and SOFT



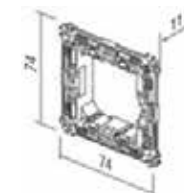
NM24

- Mounting Frame with claws (stiff version) - 2M
- For mounting on boxes Ø60 (DE...) with claws
- Possible horizontal or vertical combinations 2x2M, 3x2M, 4x2M...
- Suitable for assembling with cover plates PURE, LINE and SOFT



NM25

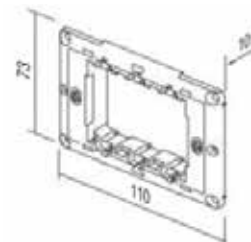
- Mounting Frame without screws and claws (stiff version) - 2M
- For mounting on boxes Ø60 (HE..., BE...) with claws
- Possible horizontal or vertical combinations 2x2M, 3x2M, 4x2M...
- Suitable for assembling with cover plates PURE, LINE and SOFT





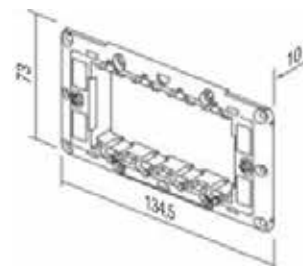
NM30

- Mounting Frame with screws - 3M
- For mounting on rectangular boxes 3M
- Suitable for assembling with cover plates PURE, LINE and SOFT



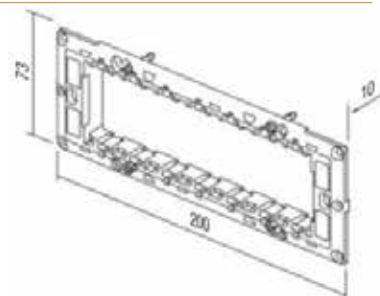
NM40

- Mounting Frame with screws - 4M
- For mounting on rectangular boxes 4M
- Suitable for assembling with cover plates PURE, LINE and SOFT



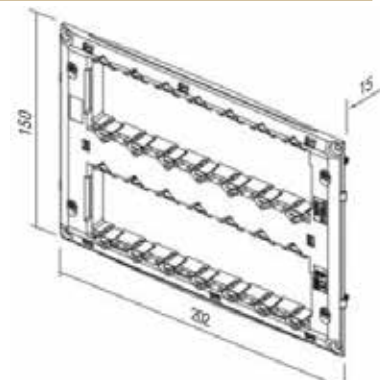
NM70

- Mounting Frame with screws - 7M
- For mounting on rectangular boxes 7M
- Suitable for assembling with cover plates PURE, LINE and SOFT



NM72

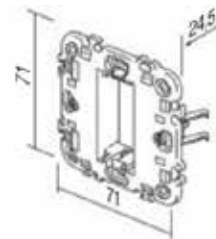
- Mounting Frame with screws - 2x7M
- For mounting on rectangular boxes 2x7M
- Suitable for assembling with cover plate SOFT OS72





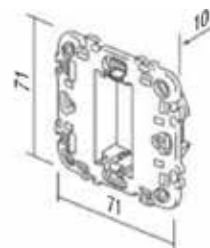
NM10

- Mounting Frame with claws - 1/2M
- For mounting on boxes Ø60 (DE...) with claws
- Suitable for assembling with cover plates LINE and SOFT



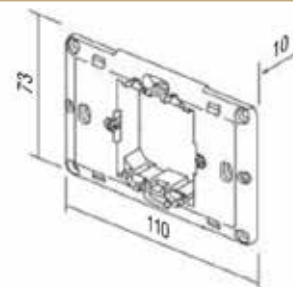
NM11

- Mounting Frame without screws and claws - 1/2M
- For mounting on boxes Ø60 (HE..., BE...) with screws
- Suitable for assembling with cover plates LINE and SOFT



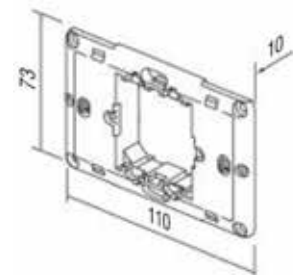
NM23

- Mounting Frame with claws - 2/3M
- For mounting on boxes Ø60 (DE...) with claws
- Suitable for assembling with cover plates PURE, LINE and SOFT



NM32

- Mounting Frame with screws - 2/3M
- For mounting on rectangular boxes 3M
- Suitable for assembling with cover plates PURE, LINE and SOFT



Back Boxes

The MODUL back boxes are easy to install and enable you to combine rectangular or round boxes at according to the selected modular elements.

Brick



Hollow wall



Concrete



Function elements

Switches



SM11

PW

IN

O1

type	description	technical data	size	colour	optional data 1	optional data 2
SM11	Push Button 1 Way	16A 250V~	1M	PW: Polar White	 IN: Indicator NT: Neutral	 O1 O2 O3

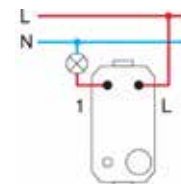
Switch 1 Way 16AX 250V~ 1M



SM10



- Switch without button
- 16AX 250V~, type SM10
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



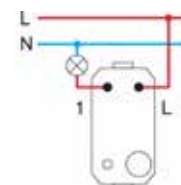
Push Button 1 Way 16AX 250V~ 1M



SM11



- Push Button without button
- 16A 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



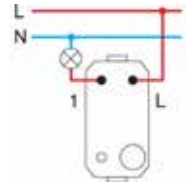
Switch 1 Way 20A 250V~ 1M



SM12



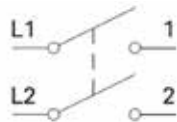
- Switch without button
- 20A 250V~, type SM12
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



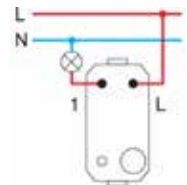
Switch 2 Pole 16AX 250V~ 1M



SM20



- Switch without button
- 16AX 250V~, type SM20
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Only in combination with button TM15



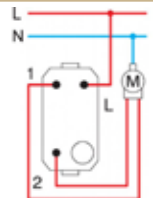
Switch Shutters 1-O-2 16AX 250V~ 1M



SM40



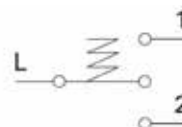
- Switch without button
- 16AX 250V~, type SM40
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



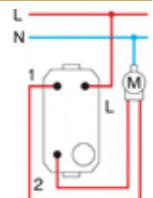
Push Button Shutters 1-O-2 16AX 250V~ 1M



SM41



- Push Button without button
- 16A 250V~, type SM41
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



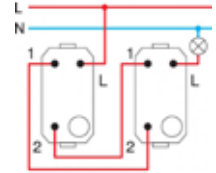
Switch 2 Way 16AX 250V~ 1M



SM60



- Switch without button
- 16AX 250V~, type SM60
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



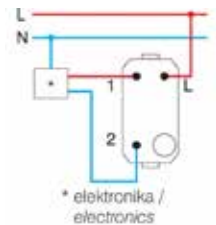
Push Button 2 Way 16A 250V~ 1M



SM61



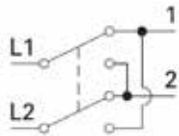
- Push Button without button
- 16A 250V~, type SM61
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



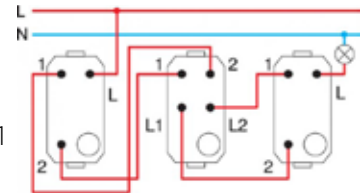
Switch Intermediate 16AX 250V~ 1M



SM70



- Switch without button
- 16AX 250V~, type SM70
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



Function elements

Switches with button



PW
Polar white



SB
Soft touch black



ES
Elox silver



IW
Ivory white



AT
Anthracite

Switch 1 Way 16AX 250V~ 1M



SM10PW
SM10SB
SM10ES
SM10IW
SM10AT

- 16AX 250V~, type SM10
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-
- Replaceable button



Switch 1 Way 16AX 250V~ 1M_IN



SM10PWIN
SM10SBIN
SM10ESIN
SM10IWIN
SM10ATIN

- Button with indicator
- 16AX 250V~, type SM10
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Push button 1 Way 16A 250V~ 1M



- SM11PW
- SM11SB
- SM11ES
- SM11IW
- SM11AT

- 16A 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Push button 1 Way 16A 250V~ 1M_IN 01



- SM11PWIN01
- SM11SBIN01
- SM11ESIN01
- SM11IWIN01
- SM11ATIN01

- Indicator | Bell
- 16AX 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Push button 1 Way 16A 250V~ 1M_IN 02



- SM11PWIN02
- SM11SBIN02
- SM11ESIN02
- SM11IWIN02
- SM11ATIN02

- Indicator | Light
- 16A 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Switch 2 Pole 16AX 250V~ 1M_NT 03



- SM20PWNT03
- SM20SBNT03
- SM20ESNT03
- SM20IWNT03
- SM20ATNT03

- NT 03 Neutral 0-1
- 16AX 250V~, type SM20
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Switch 2 Pole 16AX 250V~ 1M_IN



- SM20PWIN
- SM20SBIN
- SM20ESIN
- SM20IWIN
- SM20ATIN

- Indicator
- 16AX 250V~, type SM20
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Switch Shutters 1-0-2 16AX 250V~ 1M_NT 10



- SM40PWNT10
- SM40SBNT10
- SM40ESNT10
- SM40IWNT10
- SM40ATNT10

- Neutral 1-0-2
- 16A 250V~, type SM41
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Push button Shutters 1-0-2 16A 250V~ 1M_NT 10



- SM41PWNT10
- SM41SBNT10
- SM41ESNT10
- SM41IWNT10
- SM41ATNT10

- Indicator | Light
- 16A 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Switch 2 Way 16AX 250V~ 1M



- SM60PW
- SM60SB
- SM60ES
- SM60IW
- SM60AT

- 16AX 250V~, type SM60
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Push button 2 Way 16A 250V~ 1M



- SM61PW
- SM61SB
- SM61ES
- SM61IW
- SM61AT

- 16A 250V~, type SM61Screw
- contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Push button 2 Way with cord 16A 250V~ 1M_CD



- SM62PWCD
- SM62SBCD
- SM62ESCD
- SM62IWCD
- SM62ATCD

- Indicator + Cord
- Cord length 1.5m
- 16A 250V~, type SM62
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



Switch Intermediate 16AX 250V~ 1M

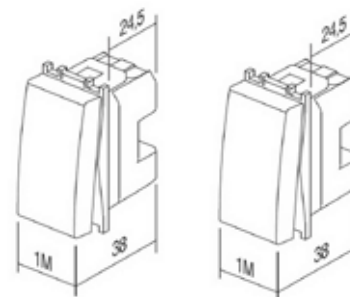


- SM70PW
- SM70SB
- SM70ES
- SM70IW
- SM70AT

- 16AX 250V~, type SM70
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



- 1M = 22.5 x 45
- 2M = 45 x 45



Function elements

Buttons



03

TM11

PW

NT

type description size

colour

optional data 1

optional data 2

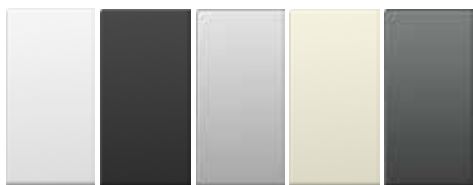
TM11	Button	1M
TM12	Button	2M
TM21	Blank	1M

PW: Polar White

IN: Indicator
NT: Neutral

01 02 03

Button 1M

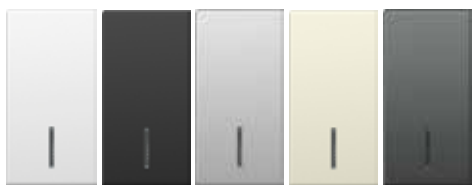


TM11PW
TM11SB
TM11ES
TM11IW
TM11AT

- Replaceable button 1M
- In accordance with EN 60669-1



Button 1M Indicator

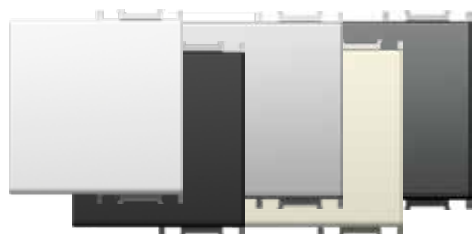


TM11PWIN
TM11SBIN
TM11ESIN
TM11IWIN
TM11ATIN

- Replaceable button
- In accordance with EN 60669-1



Button 2M

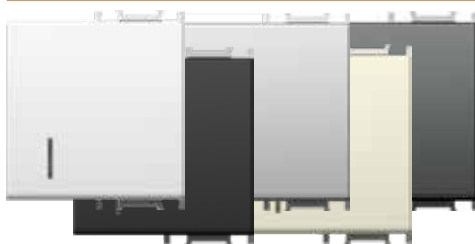


- TM12PW
- TM12SB
- TM12ES
- TM12IW
- TM12AT

- Replaceable button 2M with button carrier
- To upgrade switch or push button from size 1M to size 2M
- In accordance with EN 60669-1



Button 2M Indicator

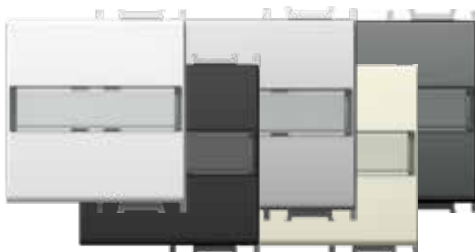


- TM12PWIN
- TM12SBIN
- TM12ESIN
- TM12IWIN
- TM12ATIN

- Replaceable button 2M with button carrier
- To upgrade switch or push button from size 1M to size 2M
- In accordance with EN 60669-1



Button 2M with Inscription Plate

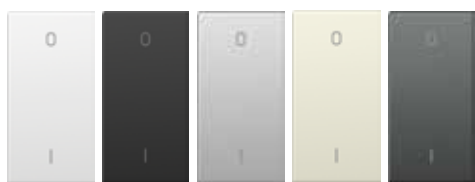


- TM13PWIL
- TM13DBIL
- TM13ESIL
- TM13IWIL
- TM13ATIL

- Replaceable button 2M with button carrier
- To upgrade switch or push button from size 1M to size 2M
- In accordance with EN 60669-1



Button 1M 2 Pole



- TM15PW
- TM15SB
- TM15ES
- TM15IW
- TM15AT

- Replaceable button 1M
- Only in combination with mechanism SM20
- In accordance with EN 60669-1



Blank 1M



- TM21PW
- TM21SB
- TM21ES
- TM21IW
- TM21AT

- Blank modul to fill up empty spaces
- In accordance with EN 60669-1



Button 2M Indicator



- TM22PWIN
- TM22SBIN
- TM22ESIN
- TM22IWIN
- TM22ATIN

- Blank modul to fill up empty spaces
- In accordance with EN 60669-1



Cable Outlet 1M



- TM31PW
- TM31DB
- TM31ES
- TM31IW
- TM31AT

- Outlet for cable
- In accordance with EN 60669-1



Create your personalisation!

Give your switches a twist of fun with your own personalisation!

Available only on request and for LINE and SOFT cover plates.

Neon/LED Lamps are available for indication, illumination, or constant illumination of switches. Lamps should be in combination with Indicator buttons.



Laser print on buttons

- Standard Symbols: 01 to 12
- Symbols 20 to 48 are made on request

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							

Function elements

Sockets



VM10

PW

PT

PP

type size

colour

colour + transparent cover

colour + colour cover

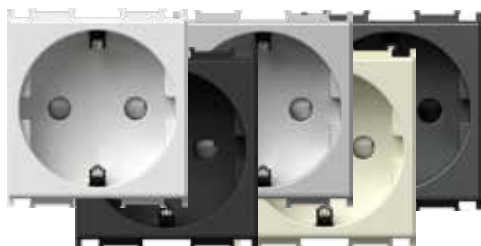
VM10	2M
VM11	2M
VM20	2M

	Polar White
	Soft Touch Black
	Elox Silver
	Ivory White
	Anthracite

	PW + transparent
	SB + transparent
	ES + transparent
	IW + transparent
	AT + transparent

	PW + PW
	SB + SB
	ES + ES
	IW + IW
	AT + AT

Socket Schuko + KS 2P+E 16A 250V~ 2M








	VM10PW
	VM10SB
	VM10ES
	VM10IW
	VM10AT

- 16A 250V~, type VM10
- Screw contacts 1.5-2.5mm²
- In accordance with IEC 60884-1, CEE7
- KS build-in child protection - shuttered live contacts



Socket Schuko + KS + Cover 2P+E 16A 250V~ 2M

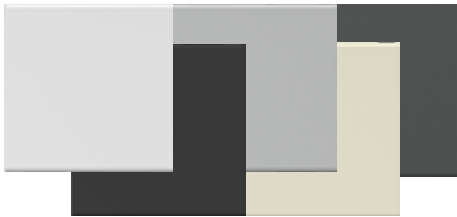


	VM11PT
	VM11BT
	VM11ST
	VM11IT
	VM11AT

- 16A 250V~, type VM11
- Screw contacts 1.5-2.5mm²
- In accordance with IEC 60884-1, CEE7
- KS build-in child protection - shuttered live contacts



Socket Schuko + KS + Cover 2P+E 16A 250V~ 2M



	VM11PP
	VM11BB
	VM11SS
	VM11II
	VM11AT

- 16A 250V~, type VM11
- Screw contacts 1.5-2.5mm²
- In accordance with IEC 60884-1, CEE7
- KS build-in child protection - shuttered live contacts



Socket British BS 1363-2+ KS 2P+E 13A 250V~ 2M



	VM52PW
	VM52SB
	VM52ES
	VM52IW
	VM52AT

- 13A 250V~, type VM52
- Screw contacts 1.5-4mm²
- In accordance with BS 1363-2
- KS build-in child protection - shuttered live contacts





Socket TV Basic 0dB 1M

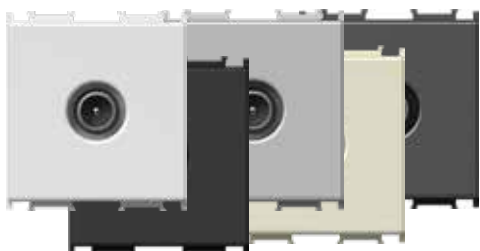


- KM10PW
- KM10SB
- KM10ES
- KM10IW
- KM10AT

- TV basic
- Reduction 0dB
- Back connector - F standard



Socket TV Basic 0dB 2M



- KM20PW
- KM20SB
- KM20ES
- KM20IW
- KM20AT

- TV basic
- Reduction 0dB
- Back connector - F standard



Socket TV End-line 1dB 1M



-  KM11PW
-  KM11SB
-  KM11ES
-  KM11IW
-  KM11AT

- TV end-line
- Frequency range 5 ÷ 2400 MHz
- Reduction < 1 dB
- In accordance with EN 50083-1
- Screw contacts



Socket TV troughpass 10dB 1M



-  KM12PW
-  KM12SB
-  KM12ES
-  KM12IW
-  KM12AT

- TV troughpass
- Frequency range 5 ÷ 2400 MHz
- Reduction < 10 dB
- In accordance with EN 50083-1
- Screw contacts



Socket SAT Basic 0dB 1M

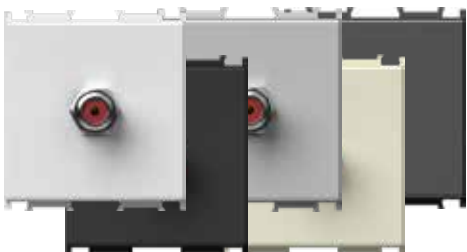







-  KM15PW
-  KM15SB
-  KM15ES
-  KM15IW
-  KM15AT

- SAT basic
- Reduction 0dB
- Back connector - F standard



Socket SAT Basic 0dB 2M

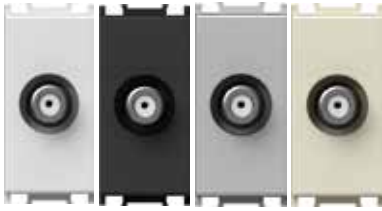


-  KM24PW
-  KM24SB
-  KM24ES
-  KM24IW
-  KM24AT

- SAT basic
- Reduction 0dB
- Back connector - F standard



Socket SAT End-line 1dB 1M








-  KM16PW
-  KM16SB
-  KM16ES
-  KM16IW
-  KM15AT

- SAT end-line
- Frequency range 5 ÷ 2400 MHz
- Reduction < 1 dB
- In accordance with EN 50083-1
- Screw contacts



Socket R Basic 0dB 1M

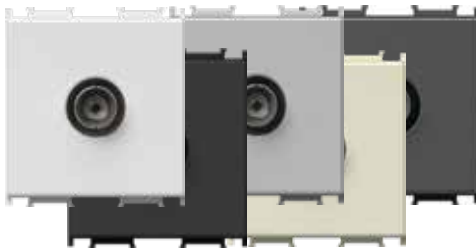







-  KM19PW
-  KM19SB
-  KM19ES
-  KM19IW
-  KM15AT

- R basic
- Reduction 0 dB
- Back connector - F standard



Socket R Basic 0dB 2M

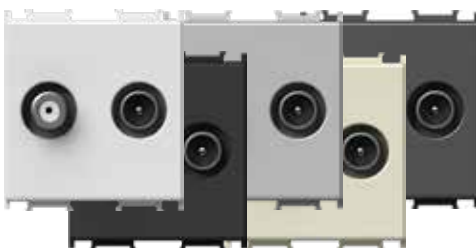







-  KM29PW
-  KM29SB
-  KM29ES
-  KM29IW
-  KM15AT

- R basic
- Reduction 0 dB
- Back connector - F standard



Socket SAT-TV End-line 1dB 2M








-  KM25PW
-  KM25SB
-  KM25ES
-  KM25IW
-  KM15AT

- Frequency range 5 ÷ 2400 MHz
- Reduction < 1dB
- In accordance with EN 50083-1
- Screw contacts



Socket Audio 2xRCA 1M



-  KM22PW
-  KM22SB
-  KM22ES
-  KM22IW
-  KM22AT

- Audio 2x RCA
- Soldering connection of cable at the back side



Socket Audio Loudspeakers 1M



-  KM23PW
-  KM23SB
-  KM23ES
-  KM23IW
-  KM23AT

- Audio 2x Ø4mm
- To accommodate speaker wire, banana plug Ø4mm or spades
- Soldering connection of cable at the back side



Socket Audio Loudspeakers 2M



-  KM26PW
-  KM26SB
-  KM26ES
-  KM26IW
-  KM26AT

- Audio 2x Ø4mm
- To accommodate speaker wire, banana plug Ø4mm or spades
- Soldering connection of cable at the back side



Socket TEL LT RJ11 6/4 1M



-  KM30PW
-  KM30SB
-  KM30ES
-  KM30IW
-  KM30AT

- TEL LT Screw
- RJ11 6/4
- In accordance with IEC 60603-7
- Screw contacts



Socket TEL BT SEC 6/6 1M



KM31PW
KM31SB
KM31ES
KM31IW
KM31AT

- TEL BT British standard
- SEC secondary 6/6
- In accordance with BS 6312
- Screw contacts



Socket CAT5e KS RJ45 8/8 1M



KM37PW
KM37SB
KM37ES
KM37IW
KM37AT

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



Socket USB Data Type A 1M



KM51PW
KM51SB
KM51ES
KM51IW
KM51AT

- USB 2.0 socket Type A
- Screw contacts, raster 5mm, 1.5mm², 1x2P + 1x3P
- In accordance with directive 2011/95/EU (RoHS2)



More connectors and communication accessories are available. Kindly enquire for more information.

Rotative dimmer / 2Way RL 300W with integrated LED indication 1M



EM12PW
 EM12SB
 EM12ES
 EM12IW
 EM12AT

- Rotation control with 2-way switch
- Load RL, 40W-300W
- Supply voltage 230V ~ 50Hz
- 2-way switch combination is possible
- Screw contacts 1.5-2.5mm²



Rotative dimmer / 2Way LED 60W 1M



EM13PW
 EM13SB
 EM13ES
 EM13IW
 EM13AT

- 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
- Screw contacts 1.5-2.5mm²



Rotative dimmer / 2Way LED 180W 1M



EM14PW
 EM14SB
 EM14ES
 EM14IW
 EM14AT

- 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
- Screw contacts 1.5-2.5mm²



Additional information:

- 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

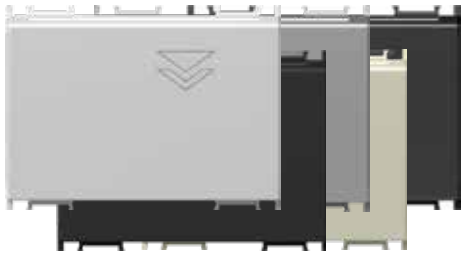
Thermostat Basic with ECO functions 6A 230V~ 2M



- EM37PW — Electronic thermostat (to regulate temperature)
- EM37SB — Heating or cooling modes
- EM37ES — Safety functions against overheating and freezing
- EM37IW — Not suitable for electrical floor heating
- EM37AT — Screw contacts max. 2.5mm²



Energy Saver Card Switch 3A 250V~ 3M



- EM40PW — Basic card switch
- EM40SB — Any ISO card
- EM40ES — Supply voltage 230V ~ 50Hz
- EM40IW — Output 3A 250V~ for switching contactor
- EM40AT — Switch off delay 15-20s
- Card is not included
- Not for access control



Card ISO



- EM47 — ISO Card
- For combination with card switch EM40
- Size: 85x54mm

Socket Shaver 230V~ 3M



- EM60PW — Shaver supply unit with isolating transformer 20VA
- EM60SB — Supply: 230V~ 50-60Hz
- EM60ES — Output: 230V~ for 2P 2.5A
- EM60IW — In accordance with EN 61558-2-5
- EM60AT



Power Supply Unit USB 5V 1A 2M



- EM65PW
- EM65SB
- EM65ES
- EM65IW
- EM65AT

- For charging of electronic devices via a standard USB port
- Enables charging of two devices simultaneously
- Power supply: 230V~ 50Hz
- Stand-by power consumption: 50mW at 230V~
- Indoor use only



USB Power Supply Unit 5V 2,1A 1M



- EM66PW
- EM66SB
- EM66ES
- EM66IW
- EM66AT

- For charging of electronic devices via a standard USB port
- Power supply: 100-230V~ 50/60Hz
- Stand-by power consumption: 30mW at 230V~
- Indoor use only



USB Power Supply Unit 5V 2,4A 1M



- EM67PW
- EM67SB
- EM67ES
- EM67IW
- EM67AT

- For charging of electronic devices via a standard USB port
- Power supply: 230V~ 50Hz
- Stand-by power consumption: 50mW at 230V~
- Enables charging of two devices simultaneously
- Indoor use only



Fingerprint Switch ARX ONE 2M



- EM70PW
- EM70SB
- EM70ES
- EM70IW
- EM70AT

- Fingerprint switch with internal
- For unlocking electrical locks
- Capacity: 1000 fingerprints
- Thermal biometric sensor
- Internal relay unit supply 110-230V~ 50-60Hz
- Output relay 2x3A 12V DC
- First 3 fingerprints are assigned administrative rights



Volume control 100V audio line 35W 2M



- EM95PW
- EM95SB
- EM95ES
- EM95IW
- EM95AT

- Volume control (attenuator) for 100V audio systems
- Power rating 35W (max. 45W), 6 steps volume control
- Suitable for boxes min. 60mm deep
- For indoor use only



Volume Control 4-8 ohm 35W 2M



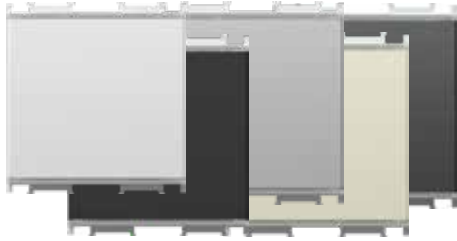
- EM96PW
- EM96SB
- EM96ES
- EM96IW
- EM96AT

- Volume control (attenuator) for low voltage outputs 4-8 ohms, 35W
- Power rating 35W, 6 steps volume control
- Suitable for boxes min. 60mm deep
- For indoor use only



More electronic accessories are available.
Kindly enquire for more information.

TOUCH Switch / Dimmer Universal RLC 0-300W 2M

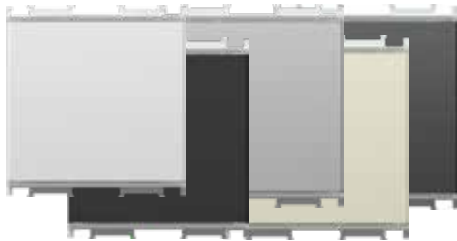


- EM25PW
- EM25SB
- EM25ES
- EM25IW

- Electronic dimmer for ON/OFF switching and dimming
- Automatic detection of lamp type and adjustment of operating mode
- Memorization of dimming level after switching off
- Can connect up to 5 additional controllers (EM26)
- Connection with 2-way switch is not possible



Push button control unit 2M



- EM26PW
- EM26SB
- EM26ES
- EM26IW

- Connected to universal dimmer EM25 allows controlling of lamps with same functionality as EM25
- Supply voltage 230V ~ 50Hz
- Screw contacts 1.5mm² (max tightening torque 0.4Nm)



Adjustable light intensity

Different switch illumination colours



Kindly enquire for more information

TOUCHLESS

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.



TOUCHLESS Switch 10A 240V~



EM80GW

- Touchless switch for turning on/off
- Power supply: 240V~ 50Hz
- Adjustable range from 2 to 10cm
- Installation into a standard round Ø60mm box
- Connection with up to 5 EM81 control switches is possible
- Simple installation of decorative covers by means of magnets
- Only for indoor use



TOUCHLESS Switch Control Unit



EM81GW

- Control switch
- Works only when connected with EM80 switch
- Simple installation of decorative covers by means of magnets
- Only for indoor use



Antibacterial program

Switches and sockets are touched daily by many people, thus being a common place for the development and spread of bacteria.

Special antibacterial silver ions additive provides long-term and effective protection against the development and spread of bacteria, viruses, microbes, and fungi.

Antibacterial buttons, cover plates, and sockets are combined with classic mounting frames and switches.

The TEM Antibacterial protection series ensures hygiene, cleanliness, and health, thus making it suitable for use in environments with strict hygiene conditions, including:

- Hospitals
- Health centres
- Pharmaceutical facilities
- Nursing homes
- Laboratories
- Restaurants
- Hotels
- Child care centres
- Schools
- Other public spaces



hygiene
cleanliness
health

ekonomik®

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. A neutral, compact, elegant design is adjustable to every working or living area.

Robustness and high resistance to external effects (UV) are secured by duroplastic materials

Visible elements can be easily taken apart to paint around.

By careful planning, elements under voltage have been protected against touching. Basic fixing of mechanisms with fixing claws allows additional strengthening with screws. This manner is especially appropriate for safe and reliable fixing of sockets.



Function elements

Switches with button



SE11

PW

IN

50

type	description	technical data	colour	optional data 1	optional data 2
SE11	Push Button 1 Way	10A 250V~	PW ES NB	IW CO IN: Indicator NT: Neutral	50 51 03 04

Switch 1Way 10AX 250V~



- SE10PW
- SE10IW
- SE10ES
- SE10NB
- SE10CO

- 10AX 250V~, type SE10
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Switch 1Way 10AX 250V~ IN



- SE10PWIN
- SE10IWIN
- SE10ESIN
- SE10BIN
- SE10COIN

- IN Indicator
- 10AX 250V~, type SE10
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 1Way 10A 250V~



- SE11PW
- SE11IW
- SE11ES
- SE11NB
- SE11CO

- 10A 250V~, type SE11
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 1Way 10A 250V~ TI 50



- SE11PWTI50
- SE11IWTI50
- SE11ESTI50
- SE11NBTI50
- SE11COTI50

- TI 50 indicator bell + neon lamp
- 10A 250V~, type SE11
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 1Way 10A 250V~ TI 51



- SE11PWTI51
- SE11IWTI51
- SE11ESTI51
- SE11NBTI51
- SE11COTI51

- TI 51 indicator light + neon lamp
- 10A 250V~, type SE11
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 1Way 10A 250V~ IL



- SE11PWIL
- SE11IWIL
- SE11ESIL
- SE11NBIL
- SE11COIL

- IL inscription plate
- 10A 250V~, type SE11
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Switch 2Gang 1Way 10AX 250V~



- SE50PW
- SE50IW
- SE50ES
- SE50NB
- SE50CO

- 10AX 250V~, type SE50
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 2Gang 1Way 10A 250V~



- SE51PW
- SE51IW
- SE51ES
- SE51NB
- SE51CO

- 10A 250V~, type SE51
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Switch Shutters 10AX 250V~ NT 09



- SE52PWNT09
- SE52IWNT09
- SE52ESNT09
- SE52NBNT09
- SE52CONT09

- NT 09 neutral up-down
- 10AX 250V~, type SE52
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²
- With mechanical interblock



Push Button Shutters 10A 250V~ NT 09



- SE53PWNT09
- SE53IWNT09
- SE53ESNT09
- SE53NBNT09
- SE53CONT09

- NT 09 neutral up-down
- 10A 250V~, type SE53
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²
- With mechanical interblock



Switch 2Way 10AX 250V~



- SE60PW
- SE60IW
- SE60ES
- SE60NB
- SE60CO

- 10AX 250V~, type SE60
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Switch Double 2Way 10AX 250V~



- SE63PW
- SE63IW
- SE63ES
- SE63NB
- SE63CO

- 10AX 250V~, type SE63
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²

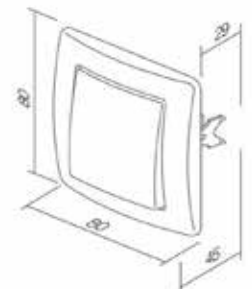
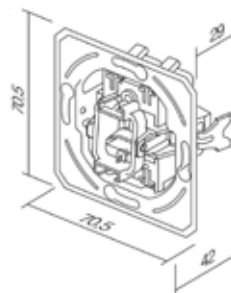


Switch Intermediate 10AX 250V~



- SE70PW
- SE70IW
- SE70ES
- SE70NB
- SE70CO

- 10AX 250V~, type SE70
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Function elements

Sockets



VE11

PW

PT

PP





type





colour

colour + transparent cover

colour + colour cover

VE10 Schuko
VE11 Schuko + Cover


 Polar White
 Soft Touch Black
 Elox Silver
 Ivory White

 PW + transparent
 SB + transparent
 ES + transparent
 IW + transparent

 PW + PW
 SB + SB
 ES + ES
 IW + IW

Socket Schuko 2P+E 16A 250V~



 VE10PW
 VE10IW
 VE10ES
 VE10NB
 VE10CO

- 16A 250V~, type VE10
- 2P+E Schuko
- Screw contacts 1.5-2.5mm²



Socket Schuko + Cover 2P+E 16A 250V~

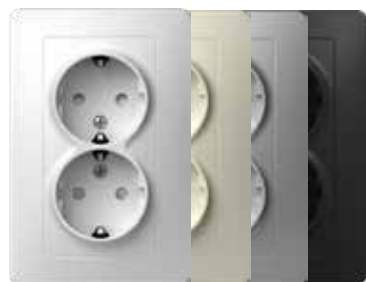


- VE11PT
- VE11IT
- VE11ST
- VE11BT
- VE11CT

- 16A 250V~, type VE11
- 2P+E Schuko + cover
- Screw contacts 1.5-2.5mm²



Socket Schuko Double 2P+E 16A 250V~



- VE16PWKS
- VE16IWKS
- VE16ESKS
- VE16NBKS

- 16A 250V~, type VE16
- 2P+E Schuko double
- In accordance with IEC 60884-1, CEE7
- Screw contacts 1.5-2.5mm²
- KS build-in child protection - shuttered live contacts



Socket 2P 16A 250V~



- VE30PW
- VE30IW
- VE30ES
- VE30NB

- 16A 250V~
- 2P without earthing contact
- In accordance with EN 60884-1, CEE7
- Screw contacts 1.5-2.5mm²



Function elements

Communications

Socket TV basic OdB



- KE10PW
- KE10IW
- KE10ES
- KE10NB
- KE10CO

- TV basic
- Reduction 0dB
- Back connector - F standard



Socket Audio 2xRCA



- KE22PW
- KE22IW
- KE22ES
- KE22NB
- KE22CO

- Audio 2xRCA
- Soldering connection of cable



Socket Audio Loudspeakers



- KE23PW
- KE23IW
- KE23ES
- KE23NB
- KE23CO

- Audio 2x Ø4mm
- To accommodate speaker wire, banana plug Ø4mm or spades
- Soldering connection of cable at the back side



More connection accessories are available.

Rotative Dimmer 2Way RL 400W



- EE15PW
- EE15IW
- EE15ES
- EE15NB
- EE15CO

- Load RL, 40W-400W
- 2-way switch combination is possible
- More dimmers combination is not allowed
- Plug-in contacts 1.5mm²
- Supply 230V~ 50Hz
- Replaceable fuse included



Rotative Dimmer 2Way RLC 400W



- EE16PW
- EE16IW
- EE16ES
- EE16NB
- EE16CO

- Load RLC, 20W-400W
- 2-way switch combination is possible
- More dimmers combination is not allowed
- Plug-in contacts 1.5mm²
- Supply 230V~ 50Hz
- Electronic fuse



Rotative Dimmer 2Way LED 100W



- EE19PW
- EE19IW
- EE19ES
- EE19NB
- EE19CO

- Load: LED, 0-100W (max. 10 LEDs)
- Load: GLS, 10-250W
- 2-way switch combination is possible
- More dimmers combination not allowed
- Plug-in contacts 1.5mm²
- Supply 230V~ 50Hz
- Replaceable fuse included



More electronics accessories are available.

Surround Ekonomik 1-gang



 OE10PW	 OE10ES
 OE10IW	 OE10NB
	 OE10CO

Surround Ekonomik 2-gang Horizontal



 OE20PW	 OE20ES
 OE20IW	 OE20NB
	 OE20CO

Surround Ekonomik 3-gang Horizontal



 OE30PW	 OE30ES
 OE30IW	 OE30NB
	 OE30CO

Surround Ekonomik 4-gang Horizontal



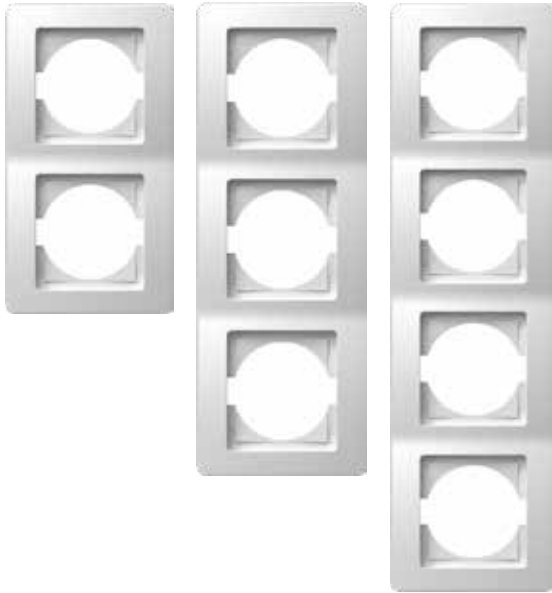
 OE40PW	 OE40ES
 OE40IW	 OE40NB






Surround Ekonomik 5-gang Horizontal



 OE50PW	 OE50ES
 OE50IW	 OE50NB

Surround Ekonomik 2-gang Vertical



 OE21PW	 OE21ES
 OE21IW	 OE21NB
	 OE21CO

Surround Ekonomik 3-gang Vertical

 OE31PW	 OE31ES
 OE31IW	 OE31NB
	 OE31CO

Surround Ekonomik 4-gang Vertical

 OE41PW	 OE41ES
 OE41IW	 OE41NB

Colour Decorative Frames



OE90GR	Green	OE90GY	Grey
OE90BL	Blue	OE90BK	Black
OE90VO	Violet	OE90BR	Brown
OE90PI	Pink	OE90MB	Met. Blue
OE90RD	Red	OE90BZ	Bronze
OE90YL	Yellow	OE90CR	Silver
OE90WH	White	OE90GO	Gold





