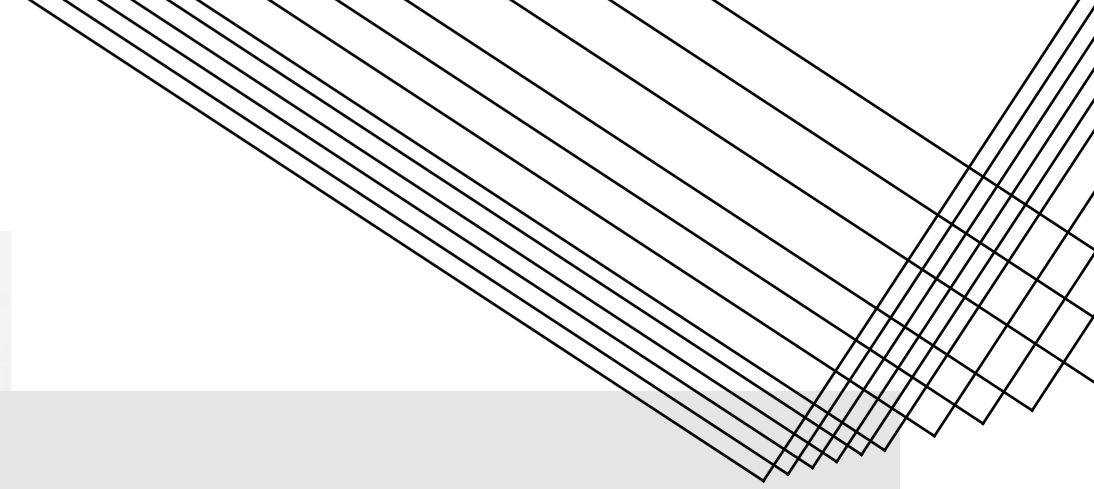
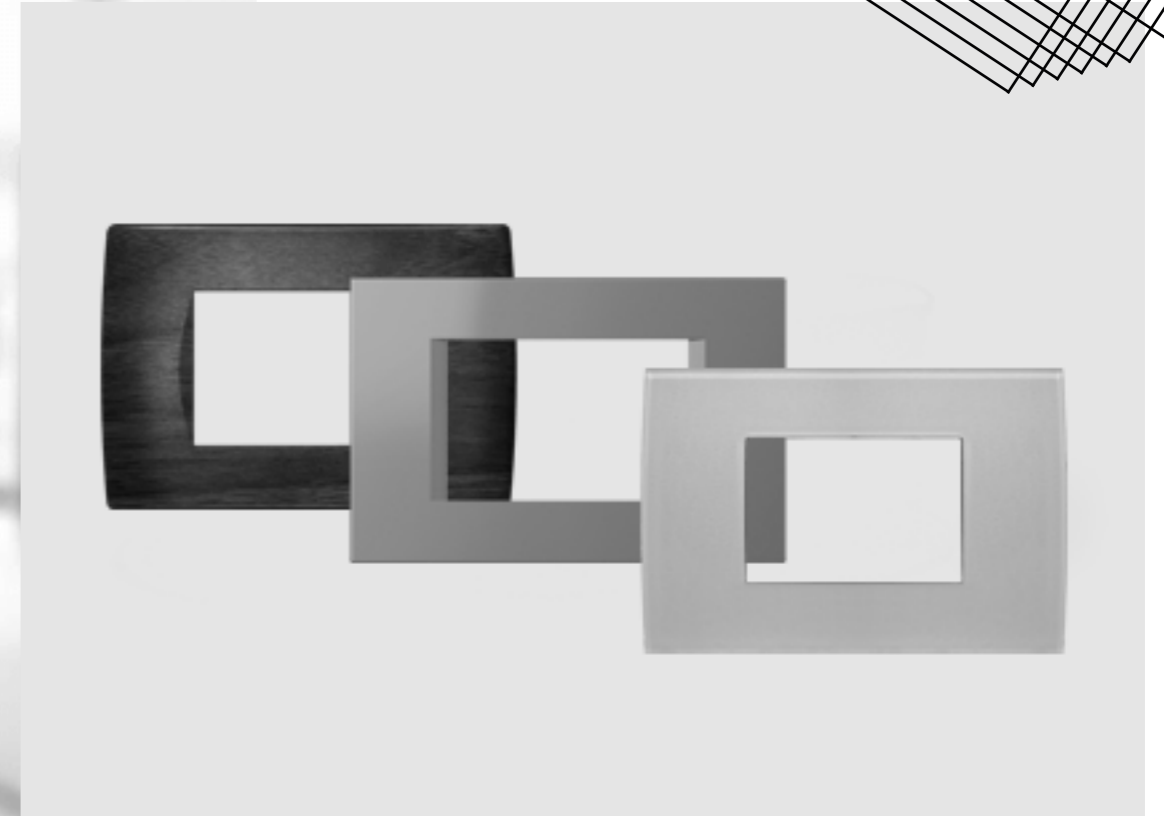




BLACKBOX

**electric switches
and sockets**



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.

MODUL



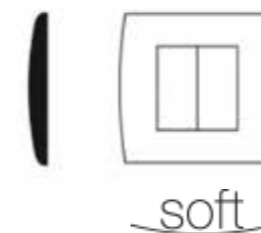
PURE

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..

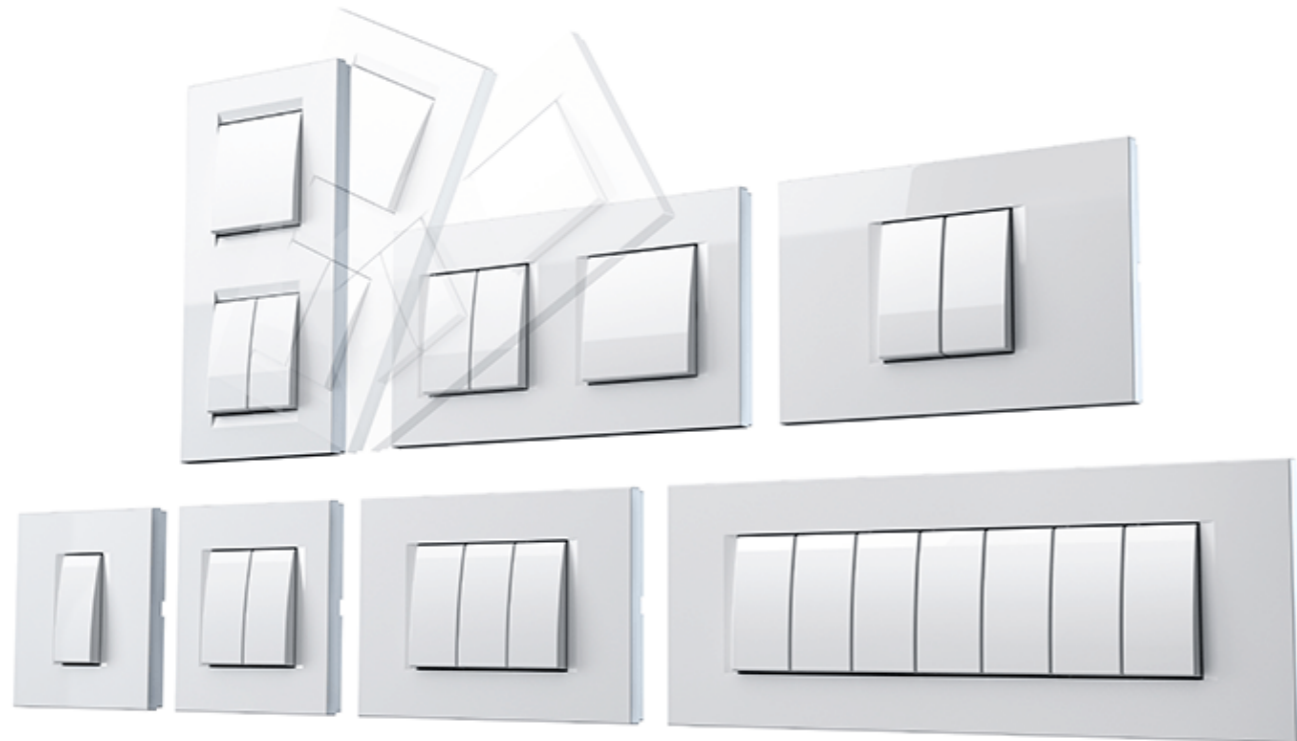


Create any configuration you wish























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 = 

2M =   = 



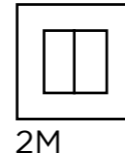
Solutions for 4 switches

1/2M		
2M		
2M		
1/3M		
2/3M		
2/3M		
4M		
2x2M		
2x2M		
4x2M		
3x2M		

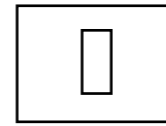
PURE



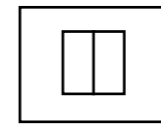
PURE
cover plate configurations



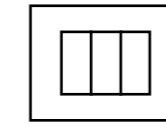
2M



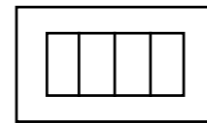
1/3M



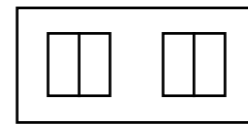
2/3M



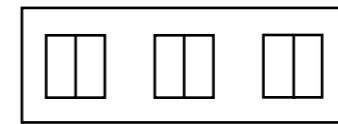
3M



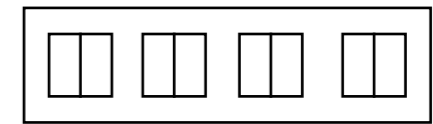
4M



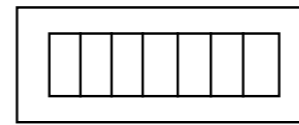
2x2M



3x2M



4x2M



7M

PURE
glass



GW
ice white



GG
ice green



GY
ice grey

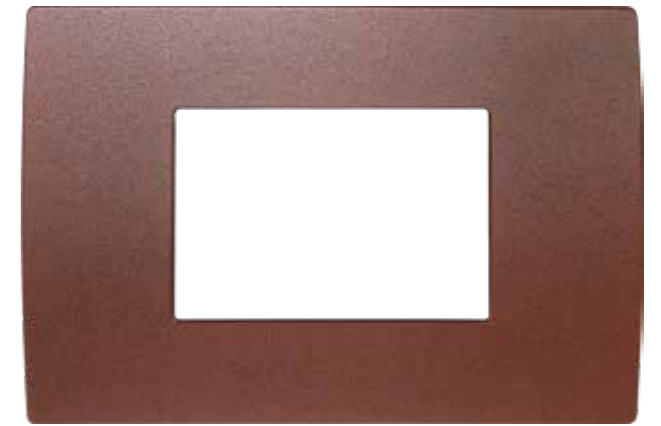


GB
ice blue

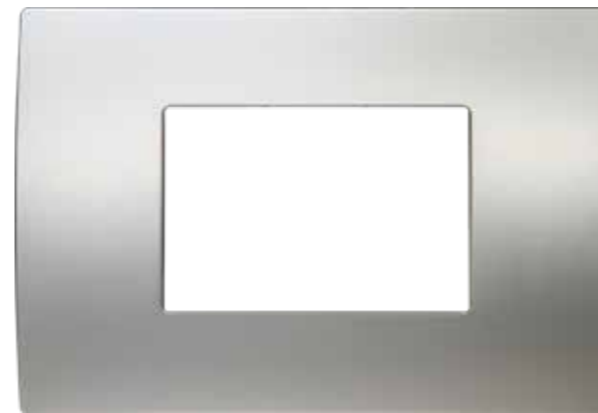
PURE
metal



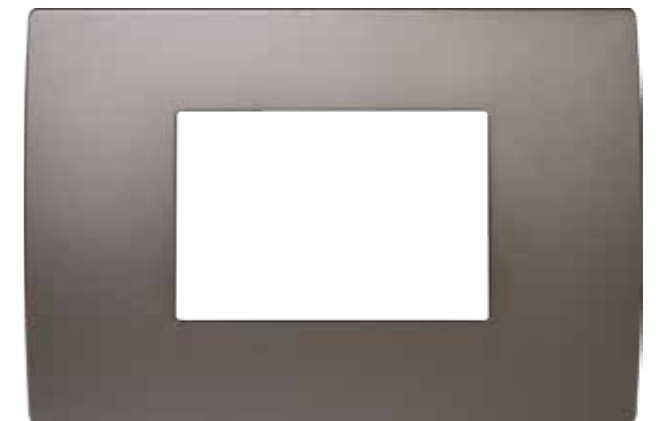
MH
hammered steel



ME
etched iron

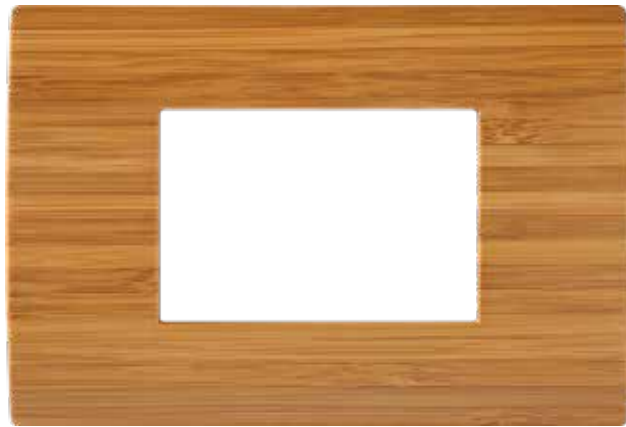


MS
satin silver



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 1/3M

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



PURE 4M

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



PURE 2/3M

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

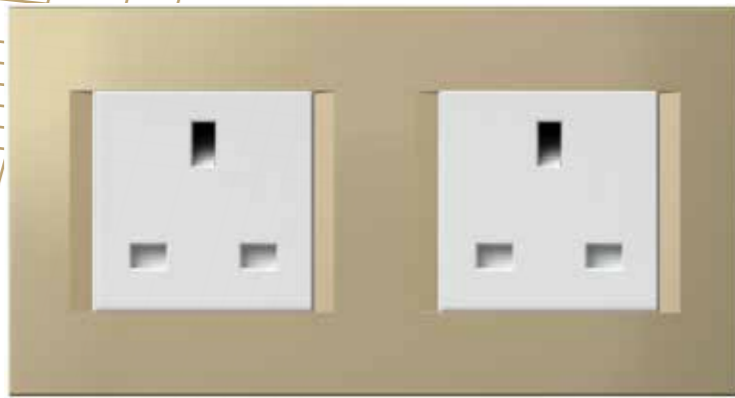


PURE 7M

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

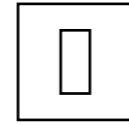


line

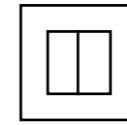


line

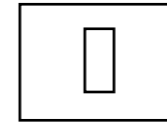
cover plate configurations



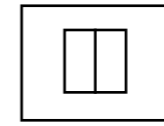
1/2M



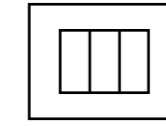
2M



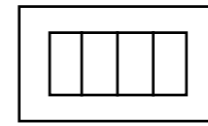
1/3M



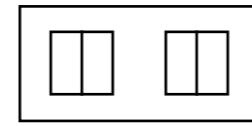
2/3M



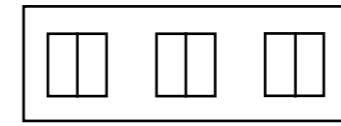
3M



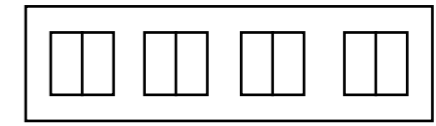
4M



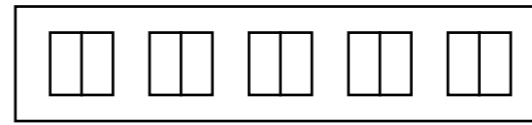
2x2M



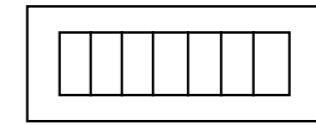
3x2M



4x2M

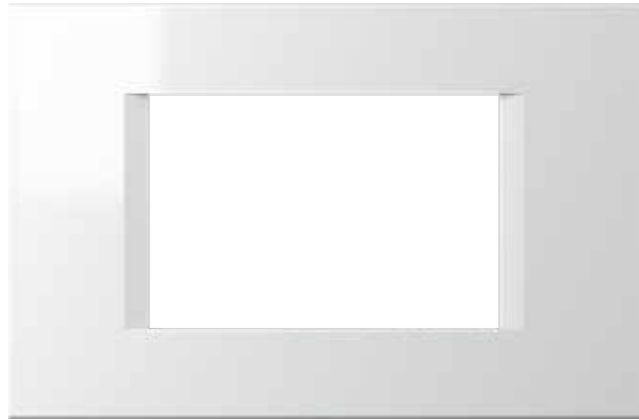


5x2M

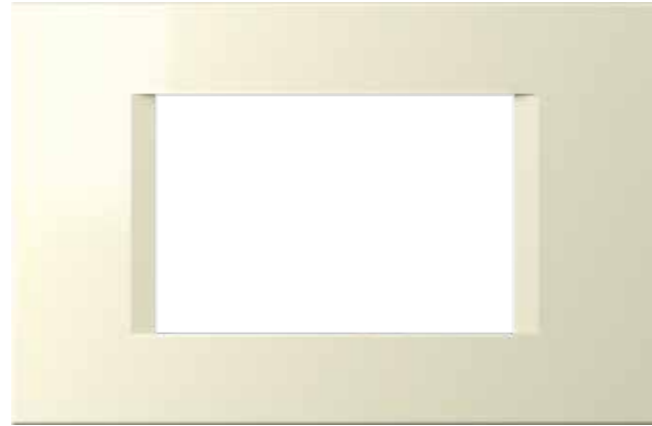


7M

line
basic



PW
polar white



IW
ivory white

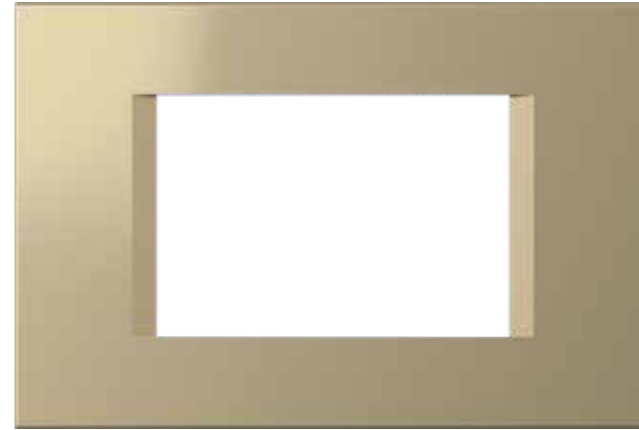


ES
elox silver



SB
soft touch black

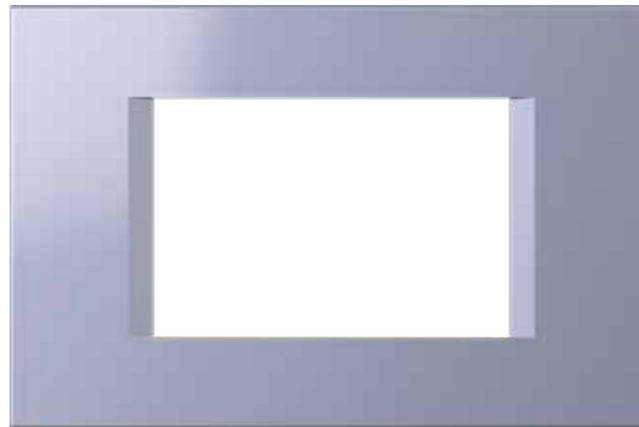
line
decor



SG
sand gold



NB
night black



IB
impulse blue



AT
anthracite













TI
titanium



SW
stone white













LINE 2M

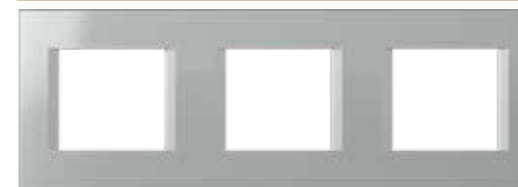
- | | |
|--|--|
|  OL20PW |  OL20NB |
|  OL20IW |  OL20IB |
|  OL20ES |  OL20AT |
|  OL20SB |  OL20TI |
|  OL20SG |  OL20SW |



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
-  OL10IW
-  OL10ES
-  OL10SB
-  OL10SG
-  OL10NB
-  OL10IB
-  OL10AT
-  OL10TI
-  OL10SW













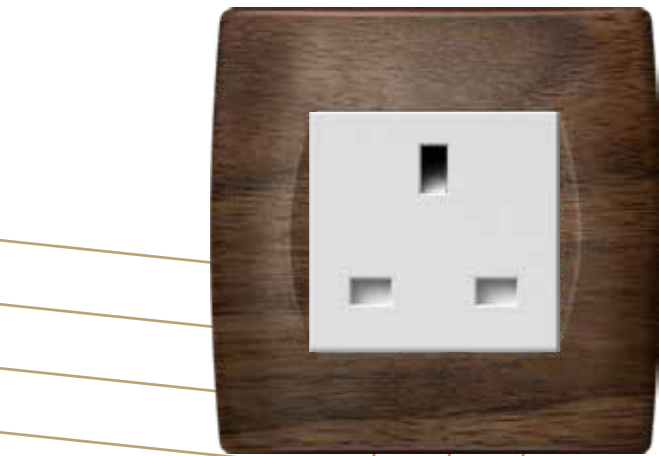
LINE 1/3M

-  OL13PW
-  OL13IW
-  OL13ES
-  OL13SB
-  OL13SG
-  OL13NB
-  OL13IB
-  OL13AT
-  OL13TI
-  OL13SW



LINE 2/3M

-  OL23PW
-  OL23IW
-  OL23ES
-  OL23SB
-  OL23SG
-  OL23NB
-  OL23IB
-  OL23AT
-  OL23TI
-  OL23SW

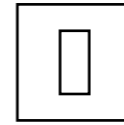


soft

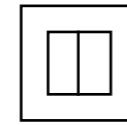


soft

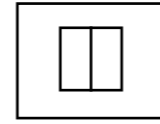
cover plate configurations



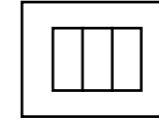
1/2M



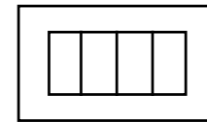
2M



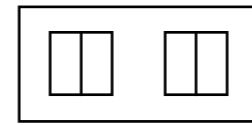
2/3M



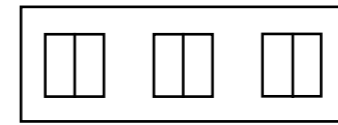
3M



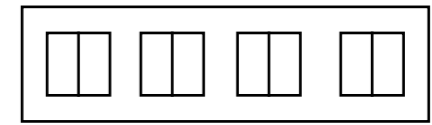
4M



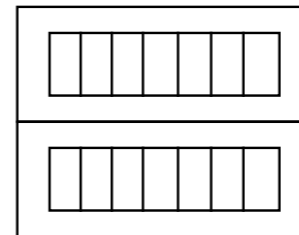
2x2M



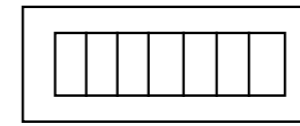
3x2M



4x2M

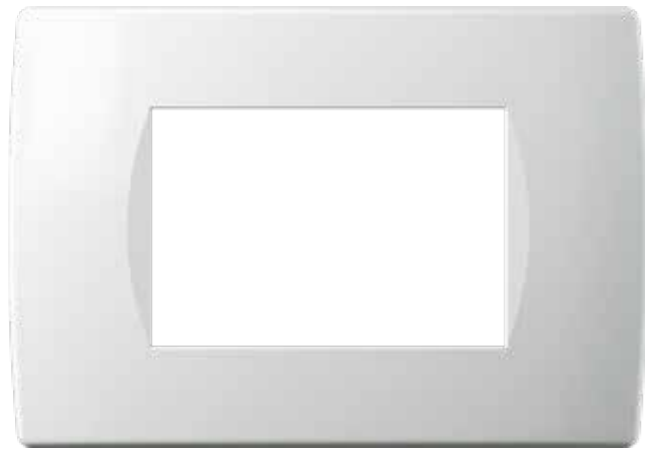


2x7M



7M

soft
basic



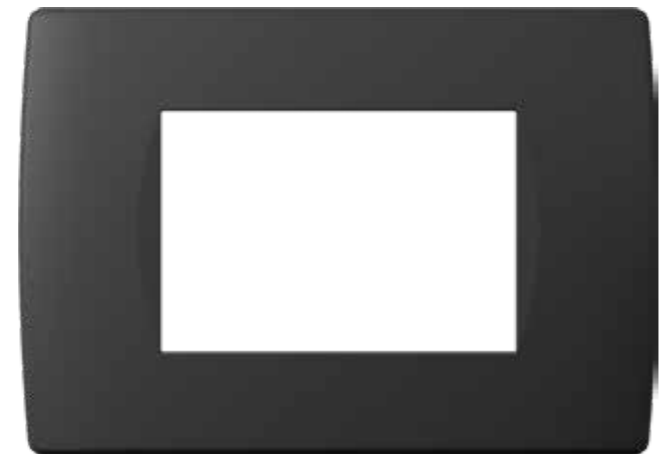
PW
polar white



IW
ivory white

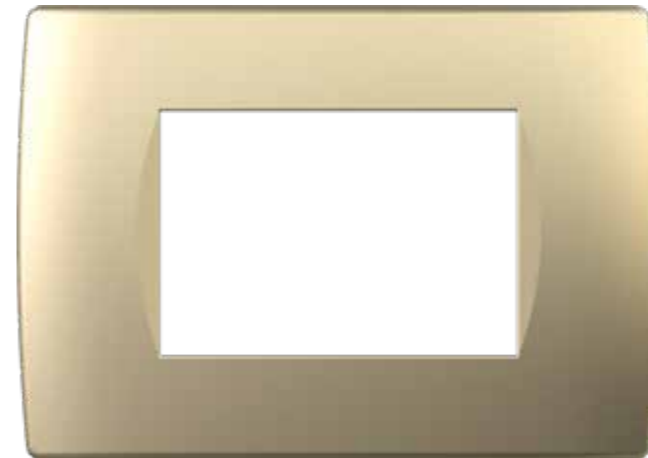


ES
elox silver



SB
soft touch black

soft
decor



SG
sand gold



NB
night black



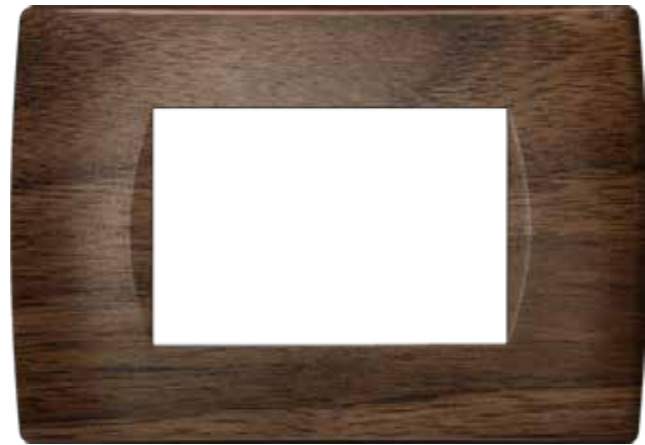
AT
anthracite



TI
titanium













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 |













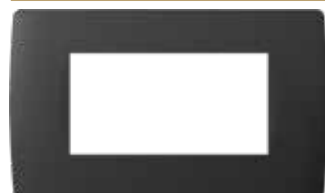
SOFT 4x2M
Horizontal or vertical mounting

- | | |
|--|--|
|  OS28PW |  OS28NB |
|  OS28IW |  OS28AT |
|  OS28ES |  OS28TI |
|  OS28SB |  OS28WE |
|  OS28SG |  OS28WW |













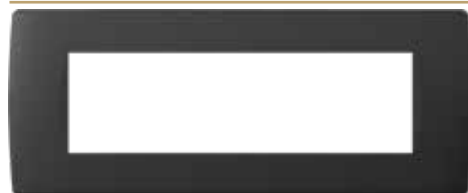
SOFT 3M

- | | |
|--|--|
|  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





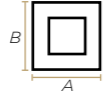
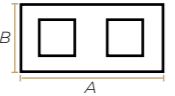
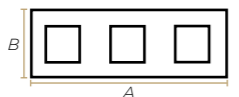
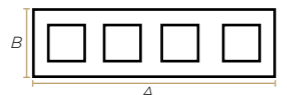

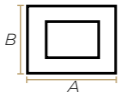
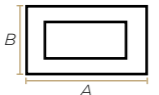
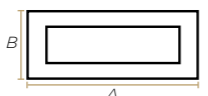
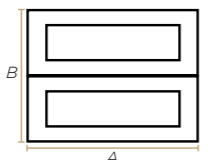
- | | |
|--|--|
|  OS13PW |  OS13NB |
|  OS13IW |  OS13AT |
|  OS13ES |  OS13TI |
|  OS13SB |  OS13WE |
|  OS13SG |  OS13WW |





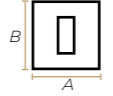
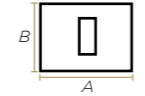
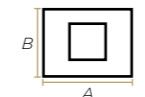


SOFT 2/3M

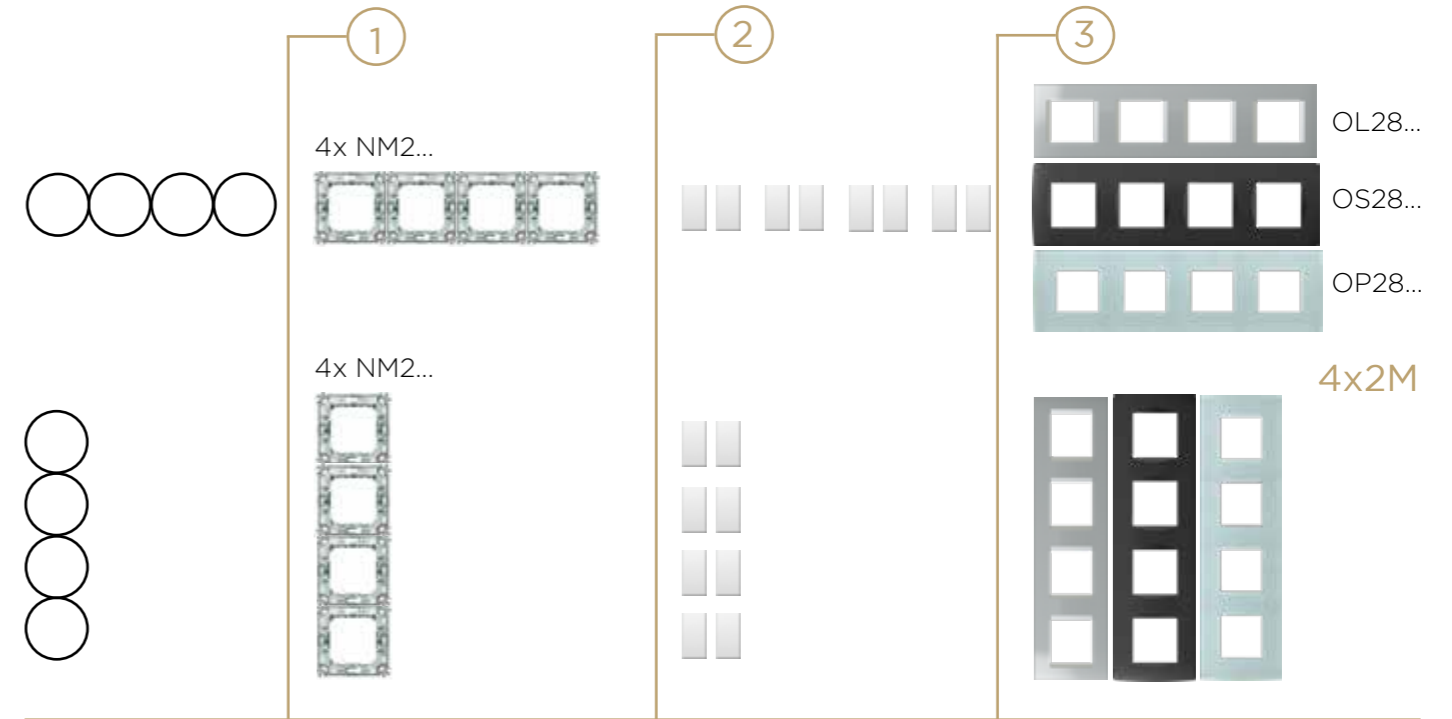
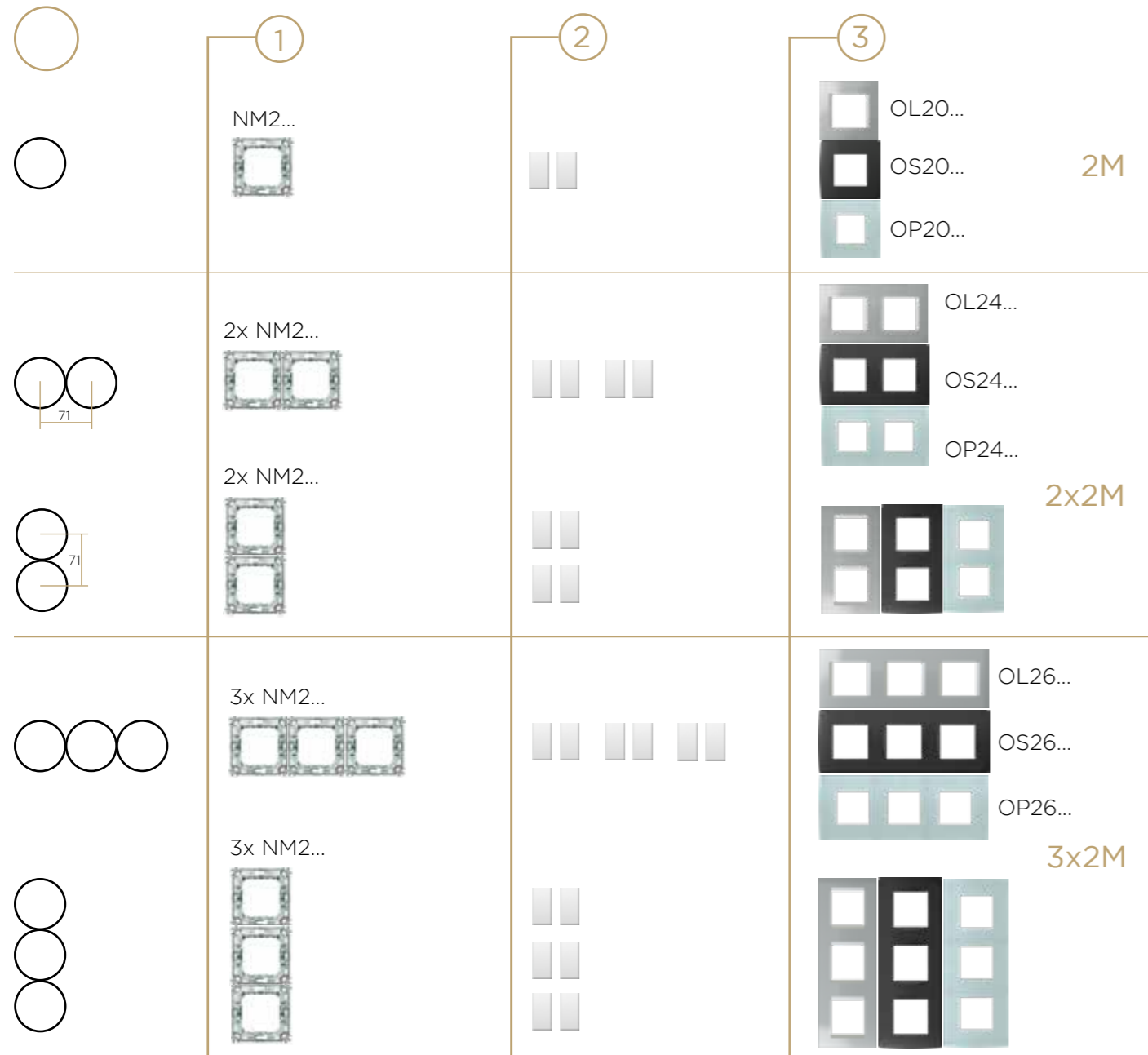
- | | |
|---|---|
|  OS23PW |  OS23NB |
|  OS23IW |  OS23AT |
|  OS23ES |  OS23TI |
|  OS23SB |  OS23WE |
|  OS23SG |  OS23WW |

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	







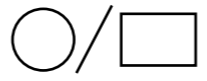


	 line A x B	 soft A x B	 PURE A x B
2M 	80 x 80 mm	84 x 84 mm	93 x 90 mm
2x2M 	151 x 80 mm	154 x 84 mm	164 x 90 mm
3x2M 	222 x 80 mm	226 x 84 mm	235 x 90 mm

Mounting Frames Combinations



Mounting Frames Combinations

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

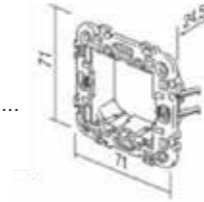
	① NM1... 	② 	③ OL10... OS10...	1/2M
	NM30 		OL13... OS13... OP13...	1/3M
	NM23 NM32 		OL23... OS23... OP23...	2/3M

Mounting Frames



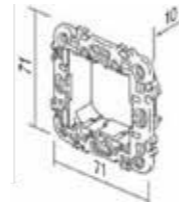
NM20

- 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



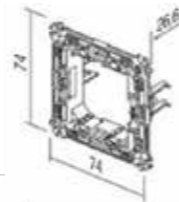
NM21

- 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



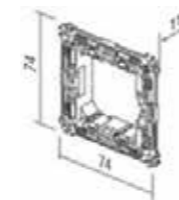
NM24

- 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



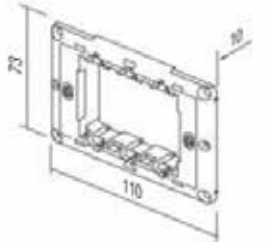
NM25

- 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



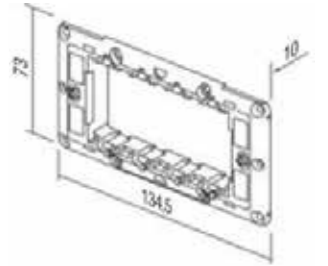
NM30

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



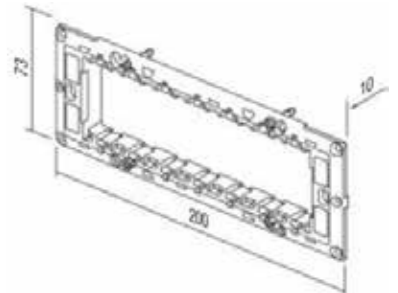
NM40

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



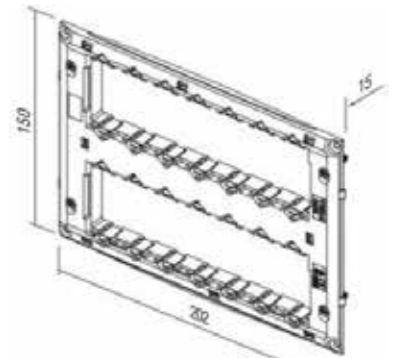
NM70

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



NM72

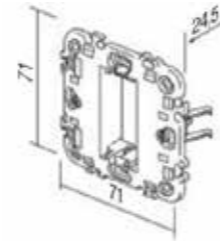
- Mounting Frame with screws - 2x7M
- For mounting on rectangular boxes 2x7M
- Suitable for assembling with cover plate SOFT OS72





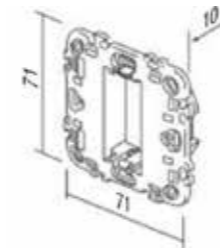
NM10

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



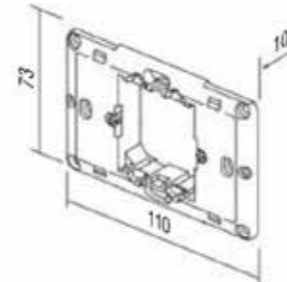
NM11

- 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



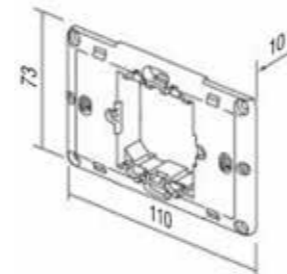
NM23

- 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	01 02 03	

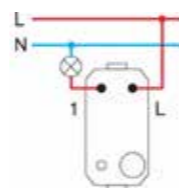
Switch 1 Way 16AX 250V~ 1M



SM10



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



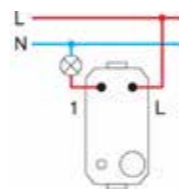
Push Button 1 Way 16AX 250V~ 1M



SM11



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



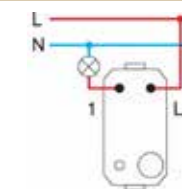
Switch 1 Way 20A 250V~ 1M



SM12



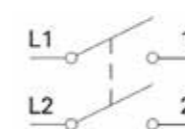
- Switch without button
- 20A 250V~, type SM12
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



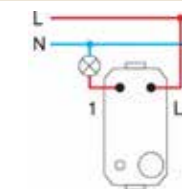
Switch 2 Pole 16AX 250V~ 1M



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



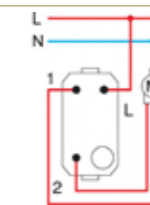
Switch Shutters 1-0-2 16AX 250V~ 1M



SM40



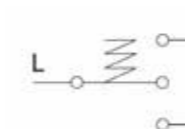
- Switch without button
- 16AX 250V~, type SM40
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



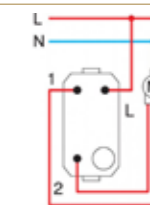
Push Button Shutters 1-0-2 16AX 250V~ 1M



SM41



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



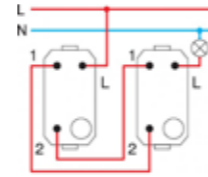
Switch 2 Way 16AX 250V~ 1M



SM60



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



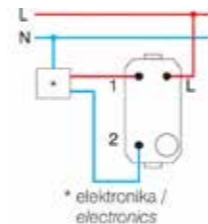
Push Button 2 Way 16A 250V~ 1M



SM61



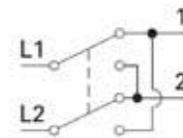
- Push Button without button
- 16A 250V~, type SM61
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



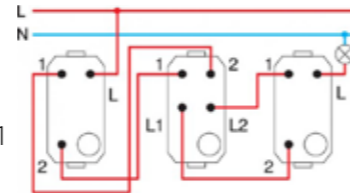
Switch Intermediate 16AX 250V~ 1M



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 60669-1
- 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



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



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



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 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



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 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 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

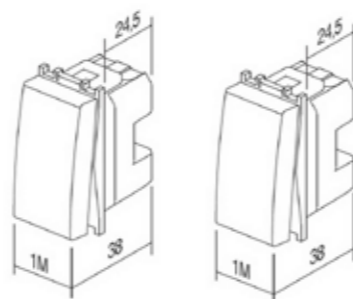


Switch Intermediate 16AX 250V~ 1M



- 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



TM11

type	description	size
TM11	Button	1M
TM12	Button	2M
TM21	Blank	1M

PW

colour

PW: Polar White

NT

optional data 1

IN: Indicator
NT: Neutral

O3

optional data 2

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



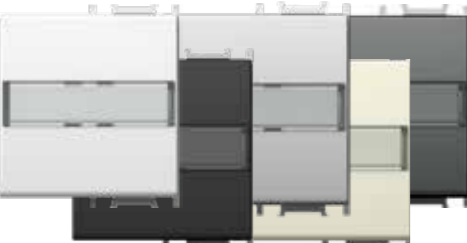
 TM12PW	— Replaceable button 2M with button carrier	
 TM12SB	— To upgrade switch or push button from size 1M to size 2M	
 TM12ES	— In accordance with EN 60669-1	
 TM12IW		
 TM12AT		







Button 2M Indicator




 TM12PWIN	— Replaceable button 2M with button carrier	
 TM12SBIN	— To upgrade switch or push button from size 1M to size 2M	
 TM12ESIN	— In accordance with EN 60669-1	
 TM12IWIN		
 TM12ATIN		







Button 2M with Inscription Plate




 TM13PWIL	— Replaceable button 2M with button carrier	
 TM13DBIL	— To upgrade switch or push button from size 1M to size 2M	
 TM13ESIL	— In accordance with EN 60669-1	
 TM13IWIL		
 TM13ATIL		







Button 1M 2 Pole




 TM15PW	— Replaceable button 1M	
 TM15SB	— Only in combination with mechanism SM20	
 TM15ES	— In accordance with EN 60669-1	
 TM15IW		
 TM15AT		







Blank 1M




 TM21PW	— Blank modul to fill up empty spaces	
 TM21SB	— In accordance with EN 60669-1	
 TM21ES		
 TM21IW		
 TM21AT		







Button 2M Indicator



 TM22PWIN	— Blank modul to fill up empty spaces	
 TM22SBIN	— In accordance with EN 60669-1	
 TM22ESIN		
 TM22IWIN		
 TM22ATIN		

Cable Outlet 1M



 TM31PW	— Outlet for cable	
 TM31DB	— In accordance with EN 60669-1	
 TM31ES		
 TM31IW		
 TM31AT		

Create your personalisation!

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

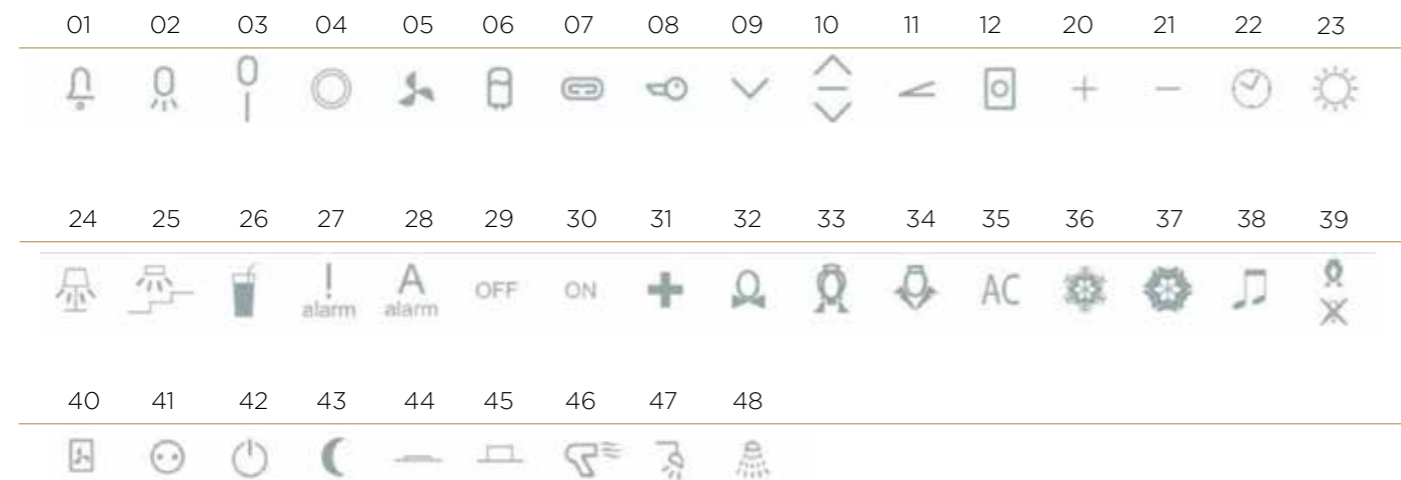
Available only on request and for LINE and SOFT cover plates.

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

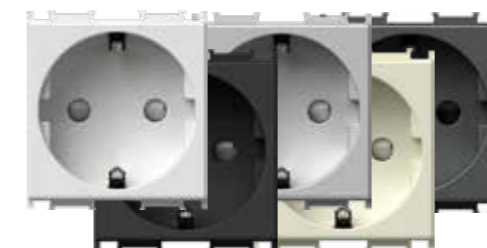


Function elements

Sockets



VM10		PW	PT	PP
type	size	colour	colour + transparent cover	colour + colour cover
VM10	2M	<ul style="list-style-type: none"> Polar White Soft Touch Black Elox Silver Ivory White Anthracite 	<ul style="list-style-type: none"> PW + transparent SB + transparent ES + transparent IW + transparent AT + transparent 	<ul style="list-style-type: none"> PW + PW SB + SB ES + ES IW + IW AT + AT



- VM10PW
- VM10SB
- VM10ES
- VM10IW
- VM10AT

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

- 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

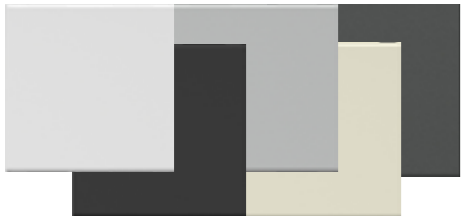


- VM11PT
- VM11BT
- VM11ST
- VM11IT
- VM11AT

- 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



Function elements

Communications



Socket TV Basic OdB 1M

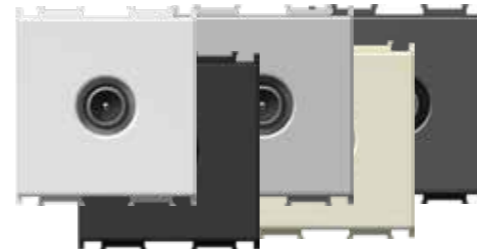


- KM10PW
- KM10SB
- KM10ES
- KM10IW
- KM10AT

- TV basic
- Reduction OdB
- Back connector - F standard



Socket TV Basic OdB 2M



- KM20PW
- KM20SB
- KM20ES
- KM20IW
- KM20AT

- TV basic
- Reduction OdB
- 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

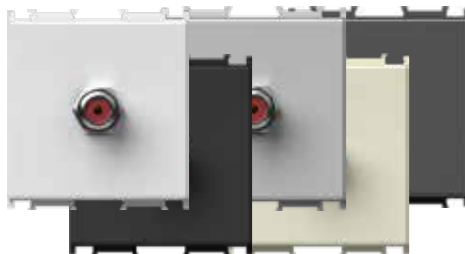


- KM15PW
- KM15SB
- KM15ES
- KM15IW
- KM15AT

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



Socket SAT Basic 0dB 2M

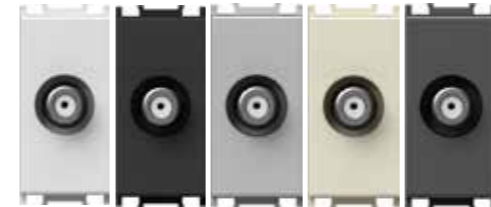


- KM24PW
- KM24SB
- KM24ES
- KM24IW
- KM24AT

- 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

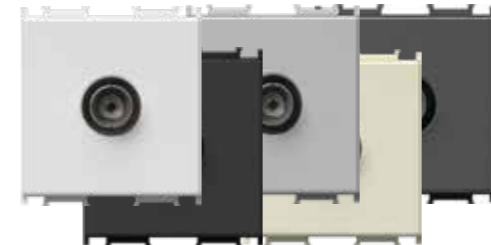


- KM19PW
- KM19SB
- KM19ES
- KM19IW
- KM15AT

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



Socket R Basic 0dB 2M

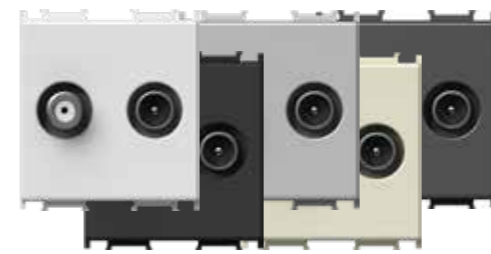


- KM29PW
- KM29SB
- KM29ES
- KM29IW
- KM15AT

- 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 — Rotation control with 2-way switch
- EM12SB — Load RL, 40W-300W
- EM12ES — Supply voltage 230V ~ 50Hz
- EM12IW — 2-way switch combination is possible
- EM12AT — Screw contacts 1.5-2.5mm²



Rotative dimmer / 2Way LED 60W 1M



- EM13PW — Rotation control with 2-way switch
- EM13SB — Loads: LED 0-60W (max 6 dimmable LED lamps)/GLS 0-60W
- EM13ES — Supply voltage 230V ~ 50Hz
- EM13IW — 2-way switch combination is possible
- EM13AT — Screw contacts 1.5-2.5mm²



Rotative dimmer / 2Way LED 180W 1M



- EM14PW — Rotation control with 2-way switch
- EM14SB — Loads: LED 0-180W (max 20 dimmable LED lamps) / GLS 0-180W
- EM14ES — Supply voltage 230V ~ 50Hz
- EM14IW — 2-way switch combination is possible
- EM14AT — 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

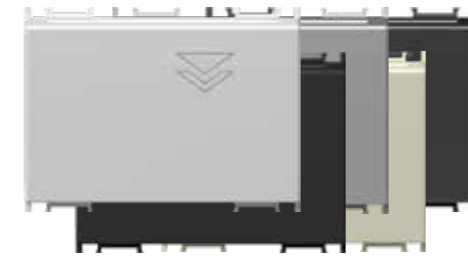
Thermostat Basic with ECO functions 6A 230V~ 2M



- 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 — For charging of electronic devices via a standard USB port
- EM65SB — Enables charging of two devices simultaneously
- EM65ES — Power supply: 230V~ 50Hz
- EM65IW — Stand-by power consumption: 50mW at 230V~
- EM65AT — Indoor use only



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



- EM66PW — For charging of electronic devices via a standard USB port
- EM66SB — Power supply: 100-230V~ 50/60Hz
- EM66ES — Stand-by power consumption: 30mW at 230V~
- EM66IW — Indoor use only
- EM66AT —



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



- EM67PW — For charging of electronic devices via a standard USB port
- EM67SB — Power supply: 230V~ 50Hz
- EM67ES — Stand-by power consumption: 50mW at 230V~
- EM67IW — Enables charging of two devices simultaneously
- EM67AT — Indoor use only



Fingerprint Switch ARX ONE 2M



- EM70PW — Fingerprint switch with internal
- EM70SB — For unlocking electrical locks
- EM70ES — Capacity: 1000 fingerprints
- EM70IW — Thermal biometric sensor
- EM70AT — 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 — Volume control (attenuator) for 100V audio systems
- EM95SB — Power rating 35W (max. 45W), 6 steps volume control
- EM95ES — Suitable for boxes min. 60mm deep
- EM95IW — For indoor use only
- EM95AT —



Volume Control 4-8 ohm 35W 2M



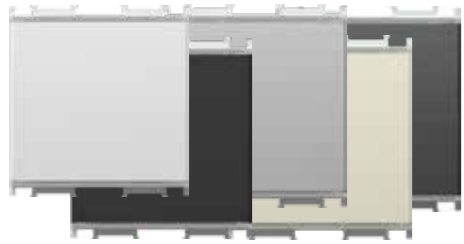
- EM96PW — Volume control (attenuator) for low voltage outputs 4-8 ohms, 35W
- EM96SB — Power rating 35W, 6 steps volume control
- EM96ES — Suitable for boxes min. 60mm deep
- EM96IW — For indoor use only
- EM96AT —



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

TOUCH®

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

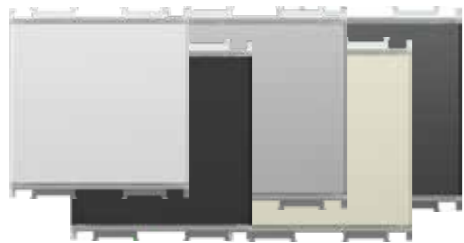


- EM25PW
- EM25SB
- EM25ES
- EM25IW

- 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~	<ul style="list-style-type: none"> PW ES NB 	<ul style="list-style-type: none"> IW CO 	 IN: Indicator NT: Neutral	<ul style="list-style-type: none">  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
- SE10NBIN
- 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

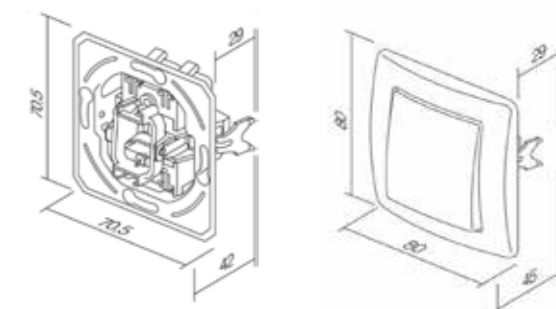


Switch Intermediate 10AX 250V~



- 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~

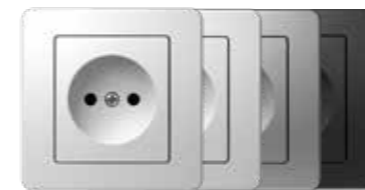


VE16PWKS
 VE16IWKS
 VE16ESKS
 VE16NBKS

- 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

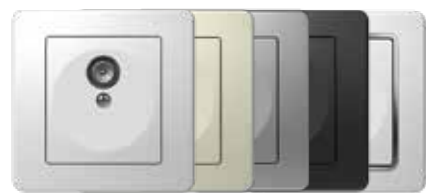
- 16A 250V~
- 2P without earthing contact
- In accordance with EN 60884-1, CEE7
- Screw contacts 1.5-2.5mm²



Function elements

Communications

Socket TV basic 0dB



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.

Function elements

Electronics

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



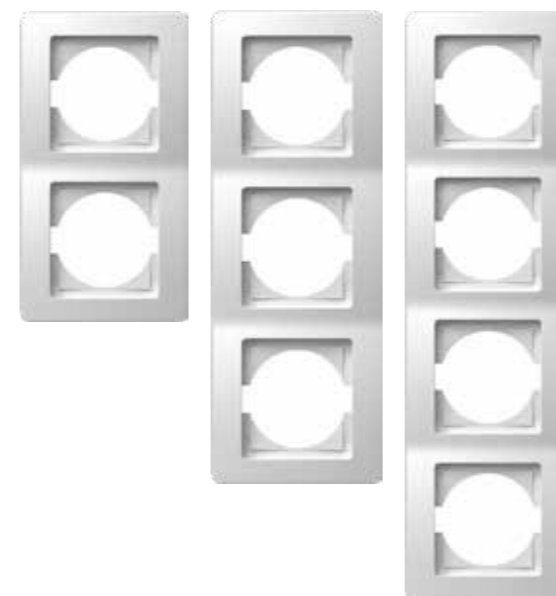
- | | |
|--|--|
|  OE40PW |  OE40ES |
|  OE40IW |  OE40NB |






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 |

