



APASYS 60

60 mm busbar system

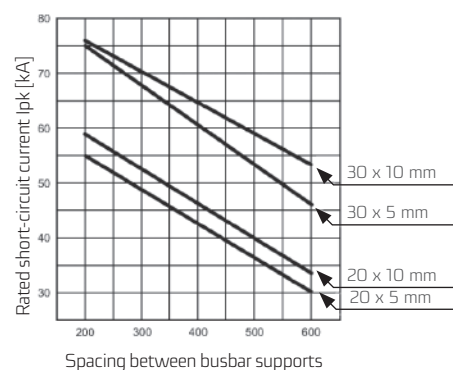
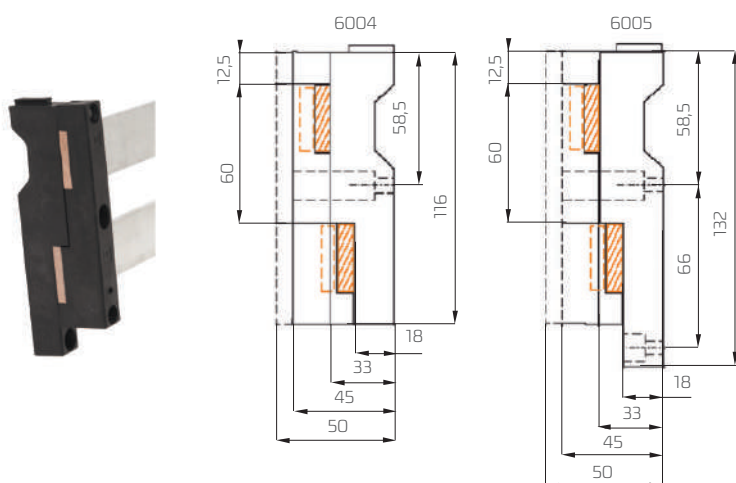
- APASYS 60 is a modular energy distribution system for currents up to 630 A
- the snap-on clip of all components provides great flexibility for the installation and expansion of solutions based on it

A black metal busbar with three copper conductors attached to it. The busbar is a vertical black metal bar with three horizontal copper bars attached to it. The copper bars are connected to the busbar by screws. The busbar has a central hole and two side holes. The copper bars are connected to the busbar by screws. The busbar is a vertical black metal bar with three horizontal copper bars attached to it. The copper bars are connected to the busbar by screws. The busbar has a central hole and two side holes. The copper bars are connected to the busbar by screws.

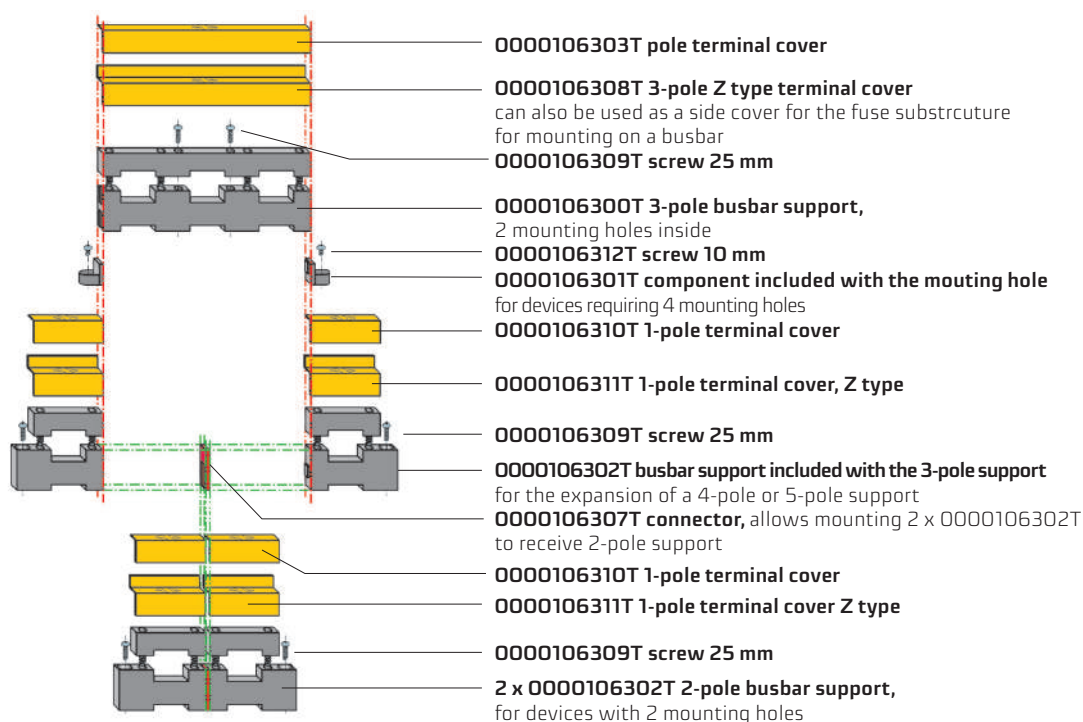
APASYS 60 ACCESSORIES

Table 151. Versions

Position	Index no.	Weight [kg]	Package [pcs.]
3-pole, 2 mounting holes inside, washers and screws included	0000106300T	0,121	20
Component included with 0000106300T, with a mounting hole for devices requiring 4 mounting holes, screws included	0000106301T	0,006	10
1-pole, included with 0000106300T or to build a 2-pole support, washers and screws included	0000106302T	0,048	10
1-pole for a single device, washers and screws included	0000106304T	0,056	10
Connector, allows mounting 2 x 0000106302T to receive 2-pole support	0000106307T	0,004	10
3-pole terminal cover, yellow with a warning triangle	0000106303T	0,019	10
3-pole terminal cover, Z type, yellow with a warning triangle	0000106308T	0,024	10
1-pole terminal cover	0000106310T	0,006	10
1-pole terminal cover, Z type	0000106311T	0,007	20
Screw 25 mm	0000106309T	0,004	20
Screw 10 mm	0000106312T	0,002	10
2-pole Busbar support; 1 mounting hole	0000106004T	0,08	10
2-pole Busbar support; 2 mounting holes	0000106005T	0,09	10



Short-circuit resistance diagram according to DIN EN 60439
60 mm busbar system
Rated operating voltage: 690 V, Rated frequency: 50 Hz



For the 100 mm and 185 mm system

- Busbar mouting without openings
- Busbar width 30 – 120 mm (185 mm system)
- Busbar width 30 – 60 mm (100 mm system)
- Busbar thickness: 10 mm



Table 152. Technical data

Classification	
Rated operating voltage	1000 V AC
Rated insulation voltage	2000 V AC
Frequency	50 Hz
Flammability	UL 94 V40
Track resistance	CTI 600
Continuous operation	150°
Glowing wire attempt	960°

Dimensions

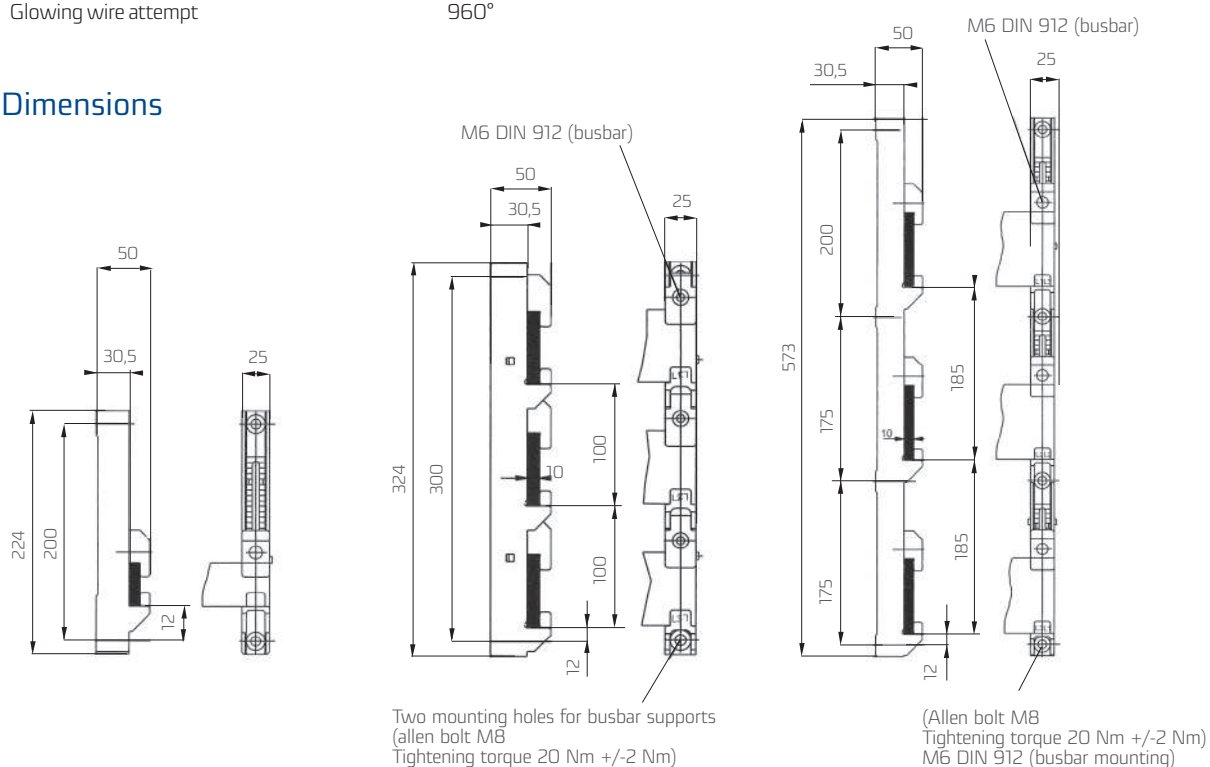


Table 153. Versions

Position	Index no.	Weight [kg]	Package [pcs.]
3-pole busbar support, spacing 100 mm	0000188100T	0,36	1
3-pole busbar support, spacing 185 mm	0000188101T	0,54	1
1-pole busbar support	0000188102T	0,20	1
3-pole terminal cover, spacing 100 mm	0000188103T	0,07	1
3-pole terminal cover, spacing 185 mm	0000188104T	0,12	1

For the 60 mm, 100 mm and 185 mm system



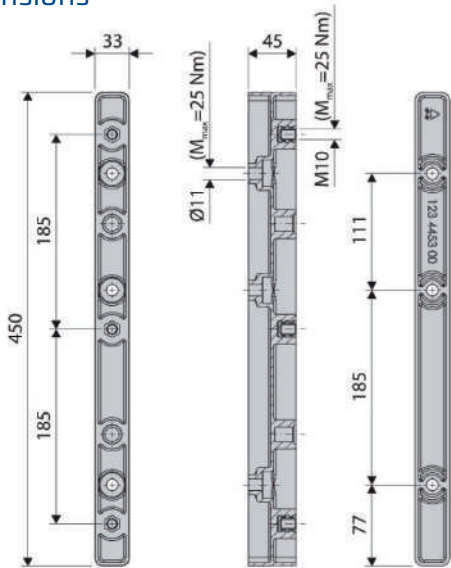
- The supports are characterised by a robust construction and insulating properties, thanks to which they are used in electrical switchboards as support elements for current busbars.
- The supports allow you to mount a busbar with spacing of 60, 100, 185 mm.
- The body is made of insulating material (polyester reinforced with glass fibre), in which M10 threads are embedded (maximum tightening torque: 25 Nm).



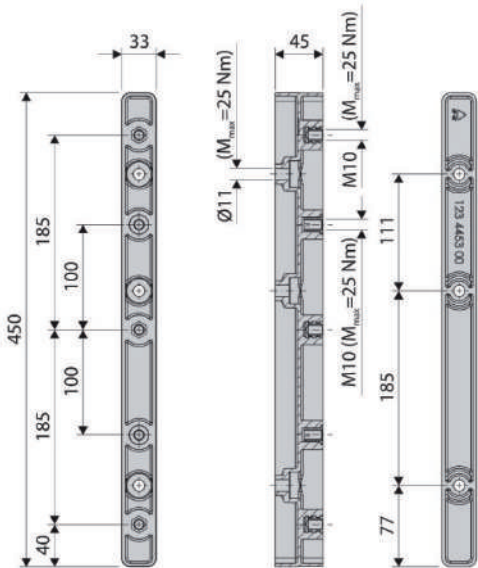
Table 154. Technical data

Classification	
Flammability class	V0
Track resistance	CTI 600
Heat resistance	960°C

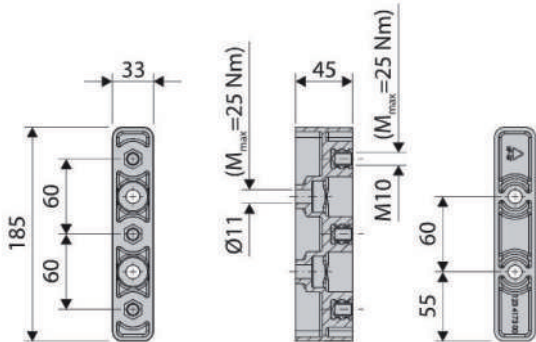
Dimensions



M10 185
0000188105T



M10 185/100
0000188106T

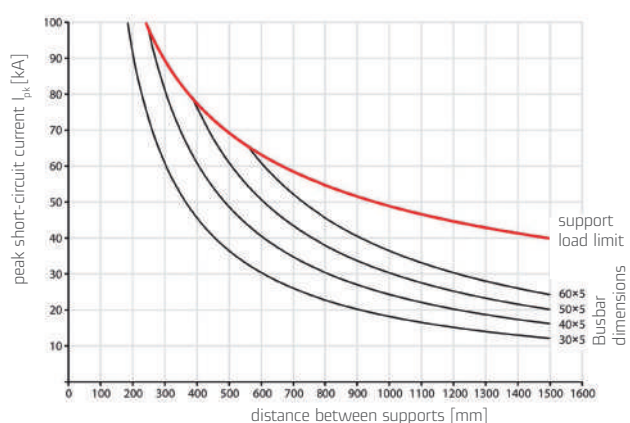


M10 60
0000188107T

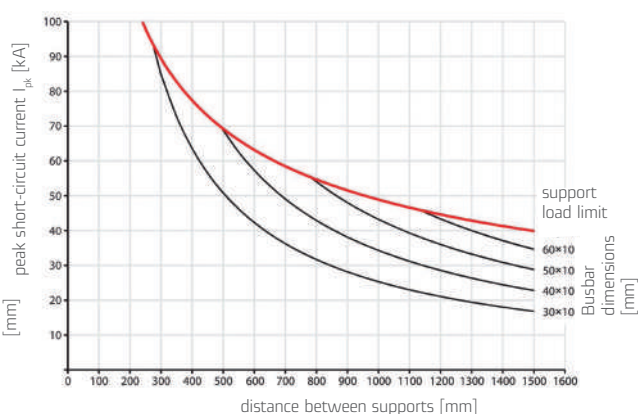
Table 155. Versions

Position	Index no.	Weight [kg]	Package [pcs.]
Busbar spacing 60 mm, 3-pole busbar support, with seated M10 nuts (M10 60)	0000188107T	0,23	1
Busbar spacing 100 mm, 3-pole busbar support, with seated M10 nuts (M10 185/100 mm)	0000188106T	0,48	1
Busbar spacing 185 mm, 3-pole busbar support, with seated M10 nuts (M10 185 mm)	0000188105T	0,46	1

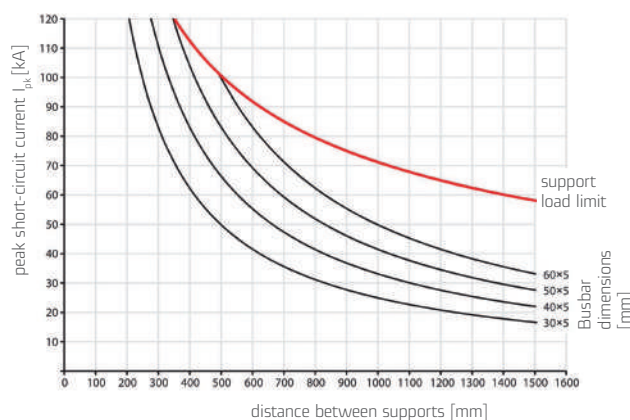
Short-circuit resistance of 5 mm thick busbar depending on the distance between supports (busbar spacing 100 mm)



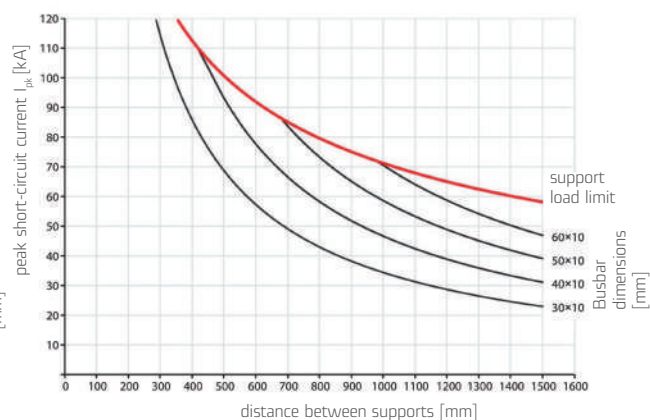
Short-circuit resistance of 10 mm thick busbar depending on the distance between supports (busbar spacing 100 mm)



Short-circuit resistance of 5 mm thick busbar depending on the distance between supports (busbar spacing 185 mm)



Short-circuit resistance of 10 mm thick busbar depending on the distance between supports (busbar spacing 185 mm)

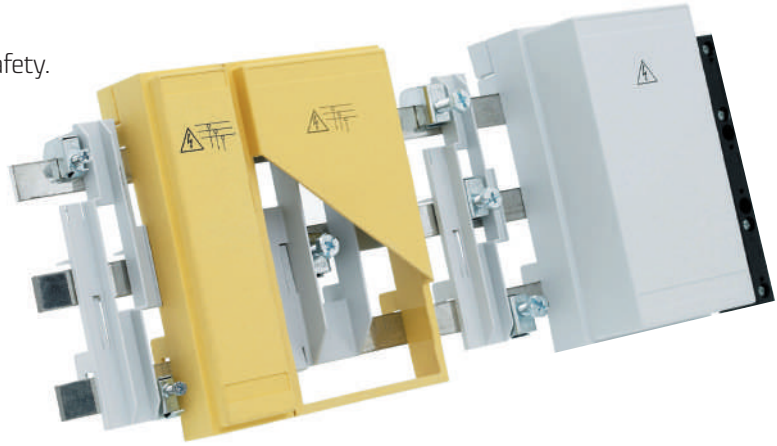


POWER ADAPTER

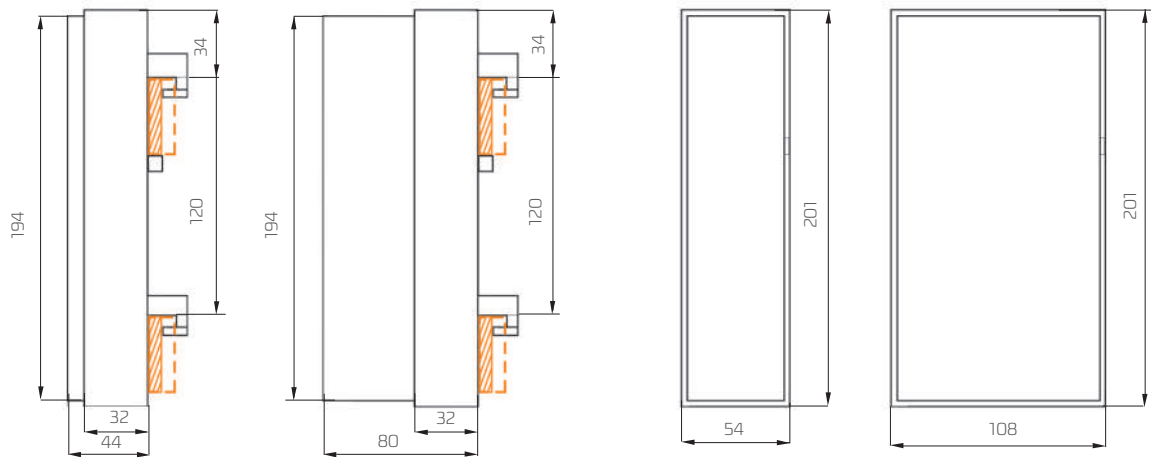


APASYS 60

The APASYS 60 power supply connections are implemented using a universal hook terminal that adapts to the busbar section. Protective covers provide the required level of safety.



Dimensions



APASYS 60 ACCESSORIES

Table 156. Power adapters (without hook terminals) with warning triangle for busbar and cable protection

Versions (yellow colour)	Index no.	Weight [kg]	Package [pcs.]
Width 54 mm, internal height 42 mm, for terminals 16..50 mm ²	0000106090T	0,11	2
Width 108 mm, internal height 42 mm, for terminals 16..70 mm ²	0000106091T	0,17	1
Width 108 mm, internal height 78 mm, for terminals 16..185 mm ²	0000106092T	0,22	1
Versions (gray colour)	Index no.	Weight [kg]	Package [pcs.]
Width 54 mm, internal height 42 mm, for terminals 16..50 mm ²	0000106096T	0,11	2
Width 108 mm, internal height 42 mm, for terminals 16..70 mm ²	0000106097T	0,17	1
Width 108 mm, internal height 78 mm, for terminals 16..185 mm ²	0000106098T	0,22	1

Table 157. Busbar bridge cover, grey colour

Versions	Index no.	Weight [kg]	Package [pcs.]
Width 54 mm, internal height 42 mm	0000106033T	0,09	2
Width 108 mm, internal height 42 mm	0000106034T	0,12	1
Width 108 mm, internal height 78 mm	0000106035T	0,12	1



Table 158. Hook terminals

Versions for 5 mm thick busbars	Index no.	Weight [kg]	Package [pcs.]
1,5...16 mm ²	0000116051T	0,03	100
1,5...35 mm ²	0000116052T	0,04	50
1,5...50 mm ²	0000116053T	0,05	50
16...70 mm ²	0000116054T	0,06	10
16...120 mm ²	0000116055T	0,09	10
16...185 mm ²	0000116056T	0,10	10
Versions for 10 mm thick busbars			
1,5...16 mm ²	0000116061T	0,03	100
1,5...35 mm ²	0000116062T	0,04	50
1,5...50 mm ²	0000116063T	0,05	50
16...70 mm ²	0000116064T	0,06	10
16...120 mm ²	0000116065T	0,09	10
16...185 mm ²	0000116066T	0,10	10

E18 FUSE BASE

for mounting on a busbar



APASYS 60

- Ability to add a description of each phase.
- Stainless steel connection terminals with low power loss.
- Side insulation covers to protect against accidental contact.
- Snap-on rear insulation cover.

Table 159. Technical data

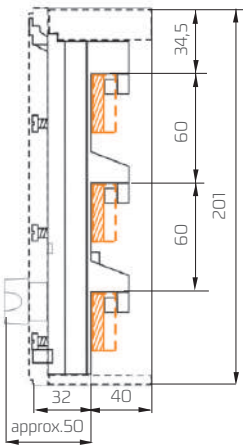
3-POLE ; DIN 49524	
For DO fuse links	2...63A DIN 49522
Adapter - holder	D02 DIN 49523 400 V AC/250 DC 50 kA _{eff}
Steel frame terminal	1,5...25 mm², 3-4 Nm
Track resistance	CTI 600
Flammability class	UL 94-V0
Heat resistance	200 °C
Glowing wire attempt	960 °C

Table 160. Versions

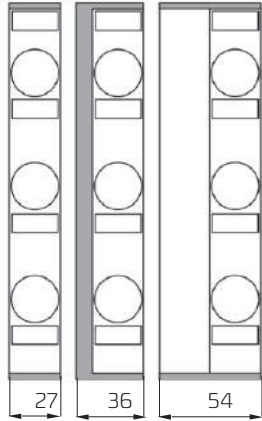
Position	Index no.	Weight [kg]	Package [pcs.]
Fuse substructure for mounting on a busbar 27 mm, without cover	0000106022T	0,15	10
Fuse substructure for mounting on a busbar 27 mm, with cover	0000106023T	0,17	10
Fuse substructure for mounting on a busbar 36 mm, with cover and side widener	0000106028T	0,19	10
Fuse substructure for mounting on a busbar 54 mm, with coverandside widener	0000106029T	0,21	10
Cover 27 mm	0000106011T	0,02	10
Cover 36 mm, includes side widener	0000106012T	0,03	10
Cover 54 mm, includes side widener	0000106013T	0,05	10
Pair of covers	0000106016T	0,05	10
Single cover left	0000106017T	0,02	10
Single cover right	0000106018T	0,02	10
Snap-on cover providing protection against contact	0000106026T	0,01	10

Fuse substructure should be equipped with fuse carriers (see Table 44. Accessories)

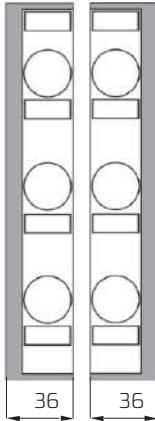
Dimensions



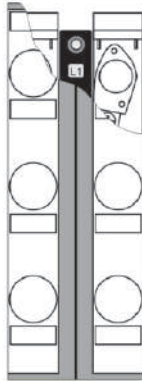
0000106022T 0000106011T



0000106012T 0000106013T



0000106017T 0000106018T
0000106016T (pair)



frame cover for the switchboard

0000106016T (pair) for masking the centre of the busbar bridge supports or as a frame cover for the supports at the end or the beginning of the busbar

ADAPTER FOR COMPONENT ASSEMBLY

APASYS 60 component adapter with infinitely adjustable mounting support and double terminals with low power loss

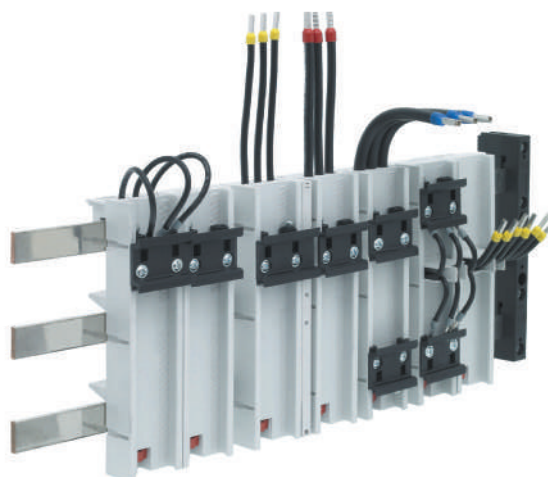
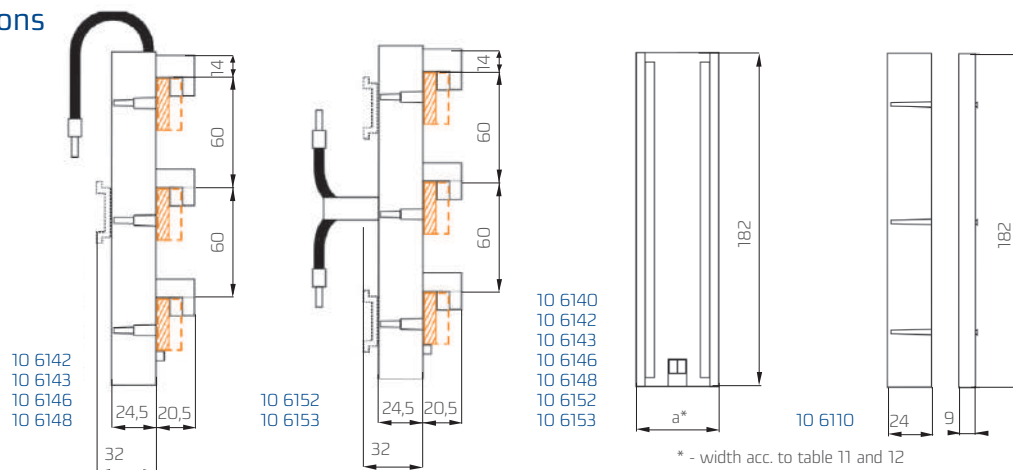


Table 161. Versions

Position	Index no.	Weight [kg]	Package [pcs.]
I_e = 25 A section of the connection cable AWG 12 / 4 mm²			
1 universal mounting rail, width 45 mm	0106142451T	0,21	2
2 universal mounting rails, width 45 mm	0106142452T	0,23	2
1 universal mounting rail, width 54 mm	0106142541T	0,22	2
2 universal mounting rails, width 54 mm	0106142542T	0,24	2
I_e = 35 A section of the connection cable AWG 10 / 6 mm²			
1 universal mounting rail, width 45 mm	0106143451T	0,22	2
2 universal mounting rails, width 45 mm	0106143452T	0,24	2
1 universal mounting rail, width 54 mm	0106143541T	0,23	2
2 universal mounting rails, width 54 mm	0106143542T	0,25	2
1 universal mounting rail, width 63 mm	0106143631T	0,27	2
1 universal mounting rail, width 72 mm	0106143721T	0,29	2
2 universal mounting rails, width 81 mm	0106143812T	0,31	2
I_e = 63 A section of the connection cable AWG 8 / 10 mm²			
1 universal mounting rail, width 54 mm	0106146541T	0,26	2
2 universal mounting rails, width 54 mm	0106146542T	0,28	2
1 universal mounting rail, width 63 mm	0106146631T	0,30	2
1 universal mounting rail, width 72 mm	0106146721T	0,32	2
2 universal mounting rails, width 81 mm	0106146812T	0,34	2
I_e = 63 A section of the connection cable AWG 6 / 16 mm²			
1 universal mounting rail, width 54 mm	0106148541T	0,29	2
2 universal mounting rails, width 54 mm	0106148542T	0,31	2
1 universal mounting rail, width 63 mm	0106148631T	0,33	2
1 universal mounting rail, width 72 mm	0106148721T	0,35	2
2 universal mounting rails, width 81 mm	0106148812T	0,37	2

Dimensions



COMPONENTS MOUNTING ADAPTER

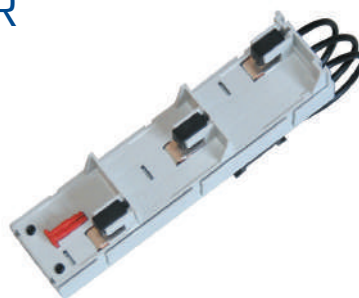


Table 162. Versions

Position	Index no.	Weight [kg]	Package [pcs.]
$I_e = 25$ A; 4 mm ² section of the connection cable, AWG 12 width 45 mm	0000106142T	0,19	4
$I_e = 35$ A; 6 mm ² section of the connection cable, AWG 10 width 45 mm	0000106143T	0,20	4
$I_e = 63$ A; 10 mm ² section of the connection cable, AWG 8 width 45 mm	0000106146T	0,23	4
$I_e = 80$ A; 16 mm ² section of the connection cable, AWG 6 width 45 mm	0000106148T	0,26	4
$I_e = 25$ A; double central terminal 4 mm ² , AWG 12 width 45 mm	0000106152T	0,20	4
$I_e = 35$ A; double central terminal 6 mm ² , AWG 10 width 45 mm	0000106153T	0,25	4
Without terminals, contains connector X for side extension or single mounting	0000106140T	0,15	4

ACCESSORIES

Table 163. Versions

Position	Index no.	Weight [kg]	Package [pcs.]
Side element for adapter expansion, width 9 mm	0000106110T	0,02	10
Universal mounting rail, width 45 mm, stepless adjustment	0000106104T	0,02	10
Universal mounting rail, width 54 mm, stepless adjustment	0000106105T	0,02	10
Universal mounting rail, width 63 mm, stepless adjustment	0000106106T	0,02	10
Universal mounting rail, width 72 mm, stepless adjustment	0000106107T	0,02	10
Universal mounting rail, width 81 mm, stepless adjustment	0000106108T	0,02	10

The mounting rails are steplessly adjustable.



Adapter base



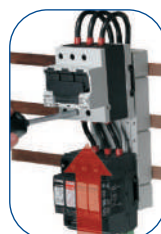
Side element, width 9 mm
allows to expand adapter base
by 9 mm



Mounting rail installed
on the base by means of
a double wedge element



Set up the mounting rail
in the correct position
and tighten the screws



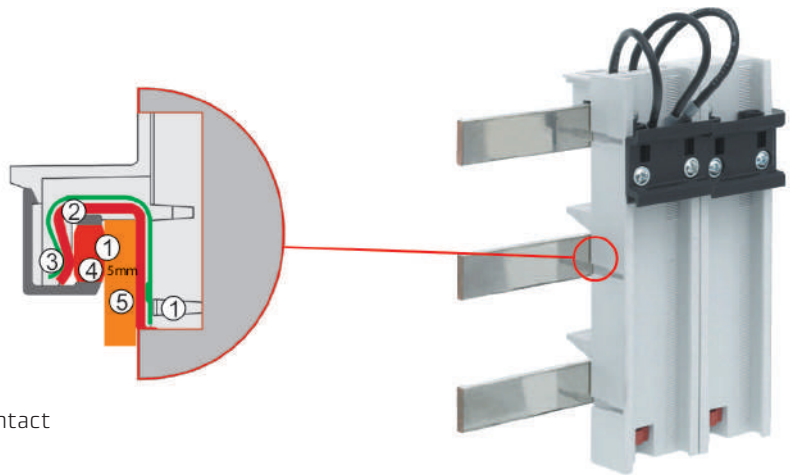
1. Place the APASYS 60 component on the top mounting rail and connect the power supply
2. Place the second component on the bottom mounting rail. Adjust the mounting rail to match the position of the component and connect it



Tighten the bottom
mounting rail

Double contact area

1. Double contact area
2. Terminal
3. Steel spring loaded terminal block
4. 5 mm connection terminal with CuAg contact
5. Busbar



Double contact area design provides low power loss.
The pressure is applied only by the metal parts and not the plastic.

RBD0/60

Fuse switch disconnecter for DO fuse links for busbar mounting



APASYS 60

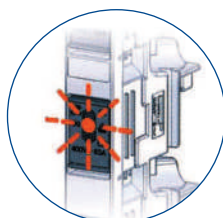


RBD0/60

Disconnecter with DO2 fuse switches for installation on a busbar with fuse switches holders with an optoelectrical light indicator

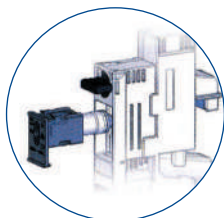
RBD0/60 primary security

with relay for monitoring fuse link condition and temperature



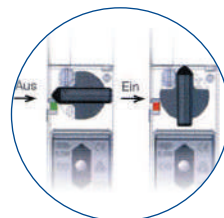
Light indicator

Damage to the fuse link is reliably detected and indicated by an optoelectrical indicator



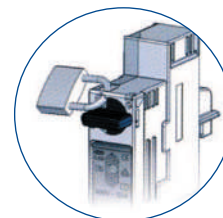
Quick and easy replacement of the fuse link

Fuse switch holder allows for quick and easy replacement of the DO fuse link



Operating status indicator

The colour of the operating status indicator enables an immediate evaluation of the operating status of the connector



Padlock

The padlock prevents unauthorized change of the disconnecter switch-on status

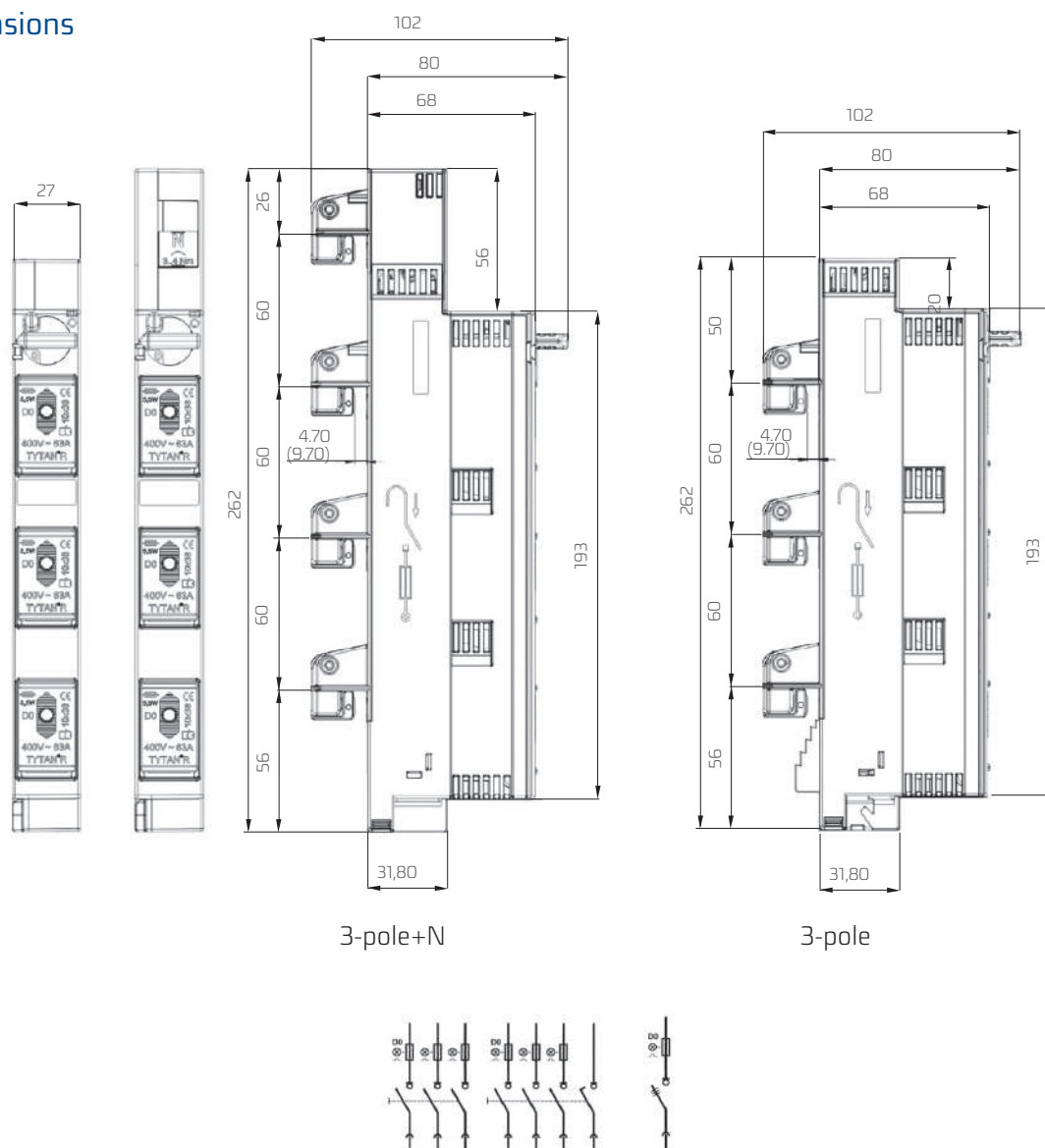
Table 164. Technical data

Classification	Fuse switch disconnecter
Standard	IEC 947-3
Adapted to DO fuse links DIN 49522	DO1: 2, 4, 6, 10, 16 AgL, gG, aM DO2: 20, 25, 32, 35, 40, 50, 63 AgL, gG, aM
Adapted to cylindrical fuse links IEC 60269-1	10 x 38 mm: 2, 4, 6, 8, 10, 12, 16, 20, 25, 32A
Flammability class/track resistance	UL94 / V0, glowing wire attempt 960 °C / CTI 600
Degree of protection/touch protection	IP 20 / protection against finger and palm touch
Rated switching voltage U_e	
-DO	400 V AC
-10 x 38	500 V AC
Rated switching current I_e	DO: 63A; 10 x 38: 32 A
Overvoltage category/pollution degree	IV/3 (DIN VDE 0110)
Rated impulse withstand voltage U_{imp}	6000 V
Terminal type	stainless steel frame terminal 1,5...25 mm ² ; M_0 3,5 Nm, cross recess
Rated short-circuit switch-on capability I_{cm}	50 kA _{eff}
Utilization category	AC 22B
Busbar dimensions	width: 12 mm-30 mm; thickness: 5 mm and 10 mm

Table 165. RBDO - Versions

Position	Index no.	Weight [kg]	Package [pcs.]
400 V~, DO:2...63 A; 10x38: 2...32 A 400 V~,			
3-pole	0000106601T	0,40	3
3-pole + neutral pole N	0000106602T	0,40	3
3-pole with microswitch for switching status signalling	0000106603T	0,40	3
3-pole + neutral pole N with microswitch for switching status signalling	0000106604T	0,40	3
500 V~, 10x38: 2...25 A			
3-pole	0000106631T	0,40	3
3-pole + neutral pole N	0000106632T	0,40	3
3-pole with microswitch for switching status signalling	0000106633T	0,40	3
3-pole + neutral pole N with microswitch for switching status signalling	0000106634T	0,40	3
Rear contact guard, top and bottom	0000106626T	0,01	10
Adapter reducing spring for the DO1 and DO2 fuse link	0000101774T	0,01	12
Padlock in busbar snap-on container	0000104664T	0,05	1
Pin used as a solid link	0000101780T	0,01	3

Dimensions



RBDO/60

Primary security



APASYS 60

RBDO - main protection switch indicates fuse breaks and has the capability of transmitting a floating signal via an RJ-connection cable on the external relay. A dangerous overheating of the fuse switch can be reliably identified and reported. The serial interface on each relay has a floating signal via a relay contact. For collective disturbance monitoring it is possible to put 12 fuse switches together.



Table 166. RBDO/60 - main protection with control of the fuse link status and temperature

Versions	Index no.	Weight [kg]	Package [pcs.]
400 V~, DO:2...63A; 10x38: 2...32A			
RBDO/60 H1 3-pole	0000106701T	0,40	3
RBDO/60 H1 3-pole + neutral pole N	0000106702T	0,40	3
500 V~, 10x38: 2...25A			
RBDO/60 H1 3-pole	0000106731T	0,40	3
RBDO/60 H1 3-pole + neutral pole N	0000106732T	0,40	3
Relay module of the primary security HR11; 3 -terminals (indicates fuse link burnout, overtemperature, turning on/off)	0000103711T	0,12	1
Relay module of the primary security HR12; 2 -terminals (indicates fuse link burnout, overtemperature)	0000103712T	0,12	1
Relay module of the primary security HR13; 1 -terminal (indicates fuse link burnout, overtemperature)	0000103713T	0,12	1
RJ cable, length 200 mm	0000103730T	0,01	1
RJ cable, length 500 mm	0000103731T	0,01	1
RJ cable, length 1000 mm	0000103732T	0,01	1
Network adapter 100-240 V AC/24 V DC 10 W	0000103700T	0,10	1
Network adapter 100-240 V AC/24 V DC 30 W	0000103701T	0,25	1

RBDO/60 main protection signalises the fuse activation and transmits information by means of an RJ cable to externally placed safety automatics devices. At the same time, unsafe overheating of the device is shown and reported.

Interface - a voltage-free connection terminal is available in the relay section.

There is a possibility of collective signalling of any irregularities through serial connection of devices. The collective signal can handle up to 12 devices.

Power supply for the relay part: 24 V DC

Outputs of the relay part:

- 1 terminal for the fuse link burnout
- 1 terminal for overtemperature
- 1 terminal for the on/off position



Correct operating status

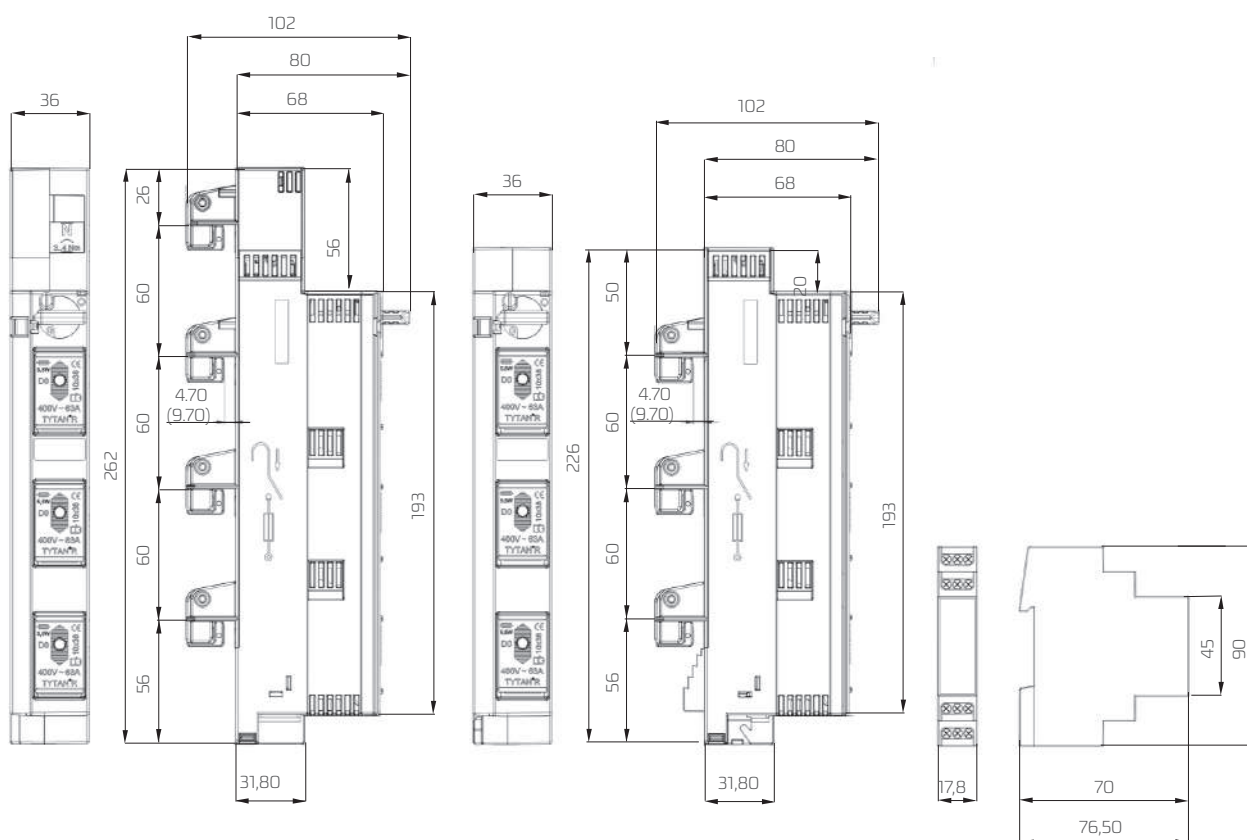


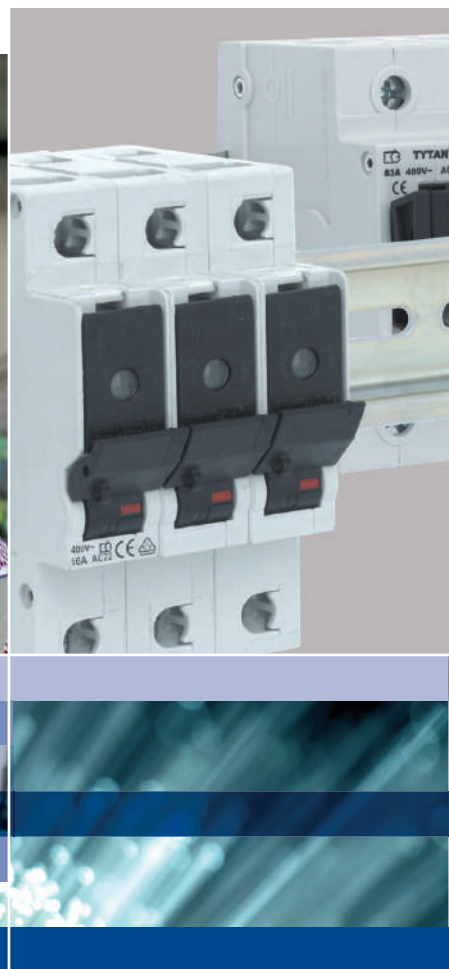
Fuse link burnout



Overtemperature in the device

Dimensions





Modular equipment

Mounted on DIN 35 mm rail

DO - TYTAN® II FUSE SWITCH DISCONNECTOR



35 mm DIN rail

- flashing response indicator (in the fuse sleeve)
- full coding for all current values of the fuse link
- possibility of sealing
- possibility of blocking



Table 167. Technical data

Classification	Fuse switch disconnecter
Standard	IEC/EN 60947-3
Adapted to fuse switch disconnectors	D01: 1, 2, 4, 6, 10, 13, 16 A D02: 20, 25, 32, 35, 40, 50, 63 A gL, gG, aM class
flammability class/track resistance	V0, glowing wire testing 960°C / CTI 600
Degree of protection/touch protection	IP 20 / protection against finger and palm touch
Rated operating voltage U_e	
-AC	400 V
-DC	1-pole 110 V, 2-pole 220 V
Rated switching current I_e	63 A
Rated impulse withstand voltage U_{imp}	6 kA
Rated short-circuit current I_{cm}	50 kA _{eff}
Utilization category	AC 22B, DC 21 B
Overvoltage category/pollution degree	IV/3 (DIN VDE 0110)
Terminal type	stainless steel cage terminals 1.5...35 mm ² ; MD 4 Nm

TYTAN II fuse switch disconnecter should be equipped with a fuse sleeve (see Table 30)

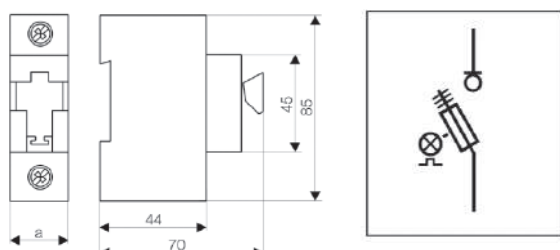


Table 168. Construction width

Article no.	Construction width a [mm]
0000102651T	27
0000102652T	54
0000102653T	81
0000102641T	54
0000102643T	108





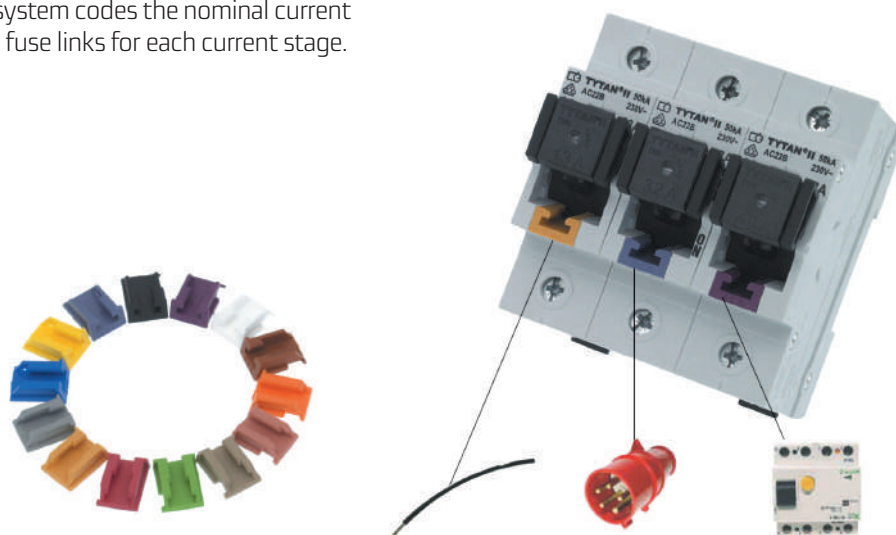
Table 169. TYTAN II Fuse switch disconnecter

Versions	Index no.	Weight [kg]	Package [pcs.]
1-pole	0000102651T	0,12	12
2-pole	0000102652T	0,23	6
3-pole	0000102653T	0,35	4
1-pole + N	0000102641T	0,25	6
3-pole + N	0000102643T	0,48	3

TYTAN II fuse switch disconnecter should be equipped with a fuse sleeve (see Table 30)

Flawless differentiation of rated current due to full coding

The TYTAN® system codes the nominal current with coloured fuse links for each current stage.



e.g.: 13 A diameter 1,5 mm²

e.g.: 32 A CEE connector

e.g.: 40A for the ground-fault circuit

TYTAN® II FUSE LINKS



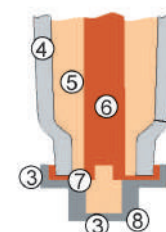
35 mm DIN rail

D0 - Fuse link with an integrated flashing response indicator for use with the **TYTAN® II** fuse sleeve disconnectors



Low loss due to the fuse sleeve

1. Independent constant terminal pressure
2. Spring loaded terminal
3. Double contact saves 0.8 W per pole
4. Ceramic tube
5. Quartz sand
6. Fuse wire
7. Base contact
8. Cover for closing sand



The set for TYTAN II fuse switch disconnectors consists of:

- 3 x D0 fuse link
- 3 x fuse sleeve
- box for reserve fuse links



Table 170. TYTAN II fuse sleeves

Versions	colour	Index no.	Weight [kg]	Package [pcs.]
1A set	orange	0000102601T	0,13	1/12
2A set	pink	0000102602T	0,13	1/12
4A set	brown	0000102604T	0,13	1/12
6A set	green	0000102606T	0,13	1/12
10A set	red	0000102610T	0,13	1/12
13A set	ochre	0000102613T	0,13	1/12
16A set	grey	0000102616T	0,13	1/12
20A set	blue	0000102620T	0,13	1/12
25A set	yellow	0000102625T	0,13	1/12
32A set	lilac	0000102632T	0,13	1/12
35A set	black	0000102635T	0,13	1/12
40A set	purple	0000102640T	0,13	1/12
50A set	white	0000102650T	0,13	1/12
63A set	copper	000010 2663T	0,13	1/12

TYTAN II ACCESSORIES

Set of three jumpers in sleeves in a box for mounting on a mounting rail



Table 171. TYTAN II fuse sleeves with jumpers

Versions	Index no.	Weight [kg]	Package [pcs.]
Jumper set	0002102300T	0,2	1/12

After installation in the device, the set transforms it into a switch disconnecter

Lock against restarting in the mounting rail box

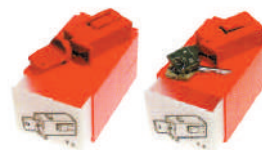


Table 172. TYTAN II fuse sleeves with jumpers

Versions	colour	Index no.	Weight [kg]	Package [pcs.]
5A5 cylindrical lock	black	0001020071T	0,09	1/12
5A4 cylindrical lock	blue	0001020072T	0,09	1/12
5A3 cylindrical lock	green	0001020073T	0,09	1/12
5A1 cylindrical lock	yellow	0001020074T	0,09	1/12
5A2 cylindrical lock	red	0001020075T	0,09	1/12
Plastic lock	black	0001020081T	0,06	1/12
Plastic lock	blue	0001020082T	0,06	1/12
Plastic lock	green	0001020083T	0,06	1/12
Plastic lock	yellow	0001020084T	0,06	1/12
Plastic lock	red	0001020085T	0,06	1/12

DO1 - TYTAN® I FUSE SWITCH DISCONNECTOR



35 mm DIN rail

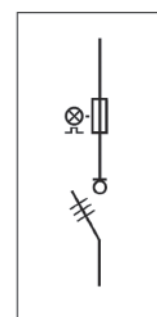
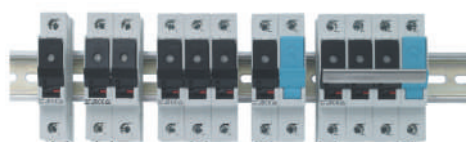
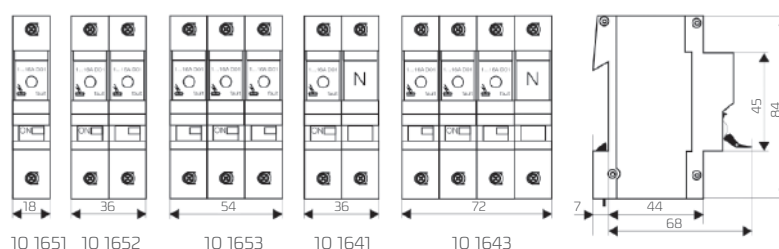
- flashing response indicator
- automatic coding for current values of the fuse link
- possibility of sealing



Table 173. Technical data

Classification	Fuse switch disconnectors
Standard	IEC/EN 60947-3
Adapted to fuse switch disconnectors	DO1: 1, 2, 4, 6, 10, 13, 16; gL, gG, aM classes
flammability class/track resistance	V0, glowing wire testing 960 °C / CTI 600
Degree of protection/touch protection	IP 20 / protection against finger and palm touch
Rated operating voltage U_e	400 V
-AC	1-pole 110 V, 2-pole 220 V
-DC	
Rated switching current I_e	16A
Rated impulse withstand voltage U_{imp}	6kA
Rated short-circuit current I_{cm}	50 kA _{eff}
Utilization category AC	22B
Overvoltage category/pollution degree	IV/3 (DIN VDE 0110)
Terminal type	stainless steel cage terminals 1.5...25 mm ² ; MD 2.5 Nm

Dimensions



Fuse sleeve

- it has a built-in optoelectrical flashing signalling device of the fuse response
- flashing error light replaces the unreliable mechanical indicators. As a result, a control opening is not usually required, the protective insulation remains intact
- protects the operator. When heated up to 100°C, the fuse is not directly touched by fingers during replacement



Table 174. TYTAN I Fuse switch disconnecter

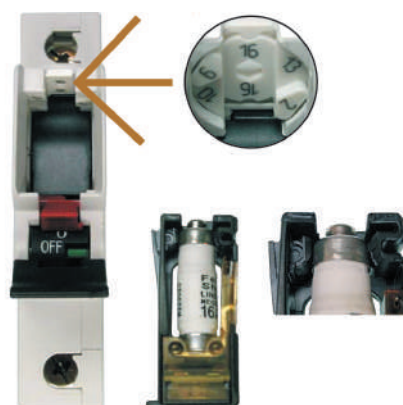
Versions	Index no.	Weight [kg]	Package [pcs.]
1-pole	0000101651T	0,09	12
2-pole	0000101652T	0,18	6
3-pole	0000101653T	0,27	4
1-pole + N	0000101641T	0,17	6
3-pole + N	0000101643T	0,35	3

Automatic coding

TYTAN® I structurally codes the power of the rated fuse current. The system is operated with one fuse sleeve for all current powers.

The coding of the maximum applicable rated fuse current in the fuse disconnecter is done by setting the appropriate value on the belt pulley.

By inserting the fuse in the fuse sleeve, the coding spring is ejected depending on its rated current value.



DO - TYTAN® T FUSE SWITCH DISCONNECTOR



35 mm DIN rail

- flashing response indicator
- for DO and cylindrical 10x38 mm fuse switches
- universal fuse sleeve
- only 4TE width
- possibility of sealing

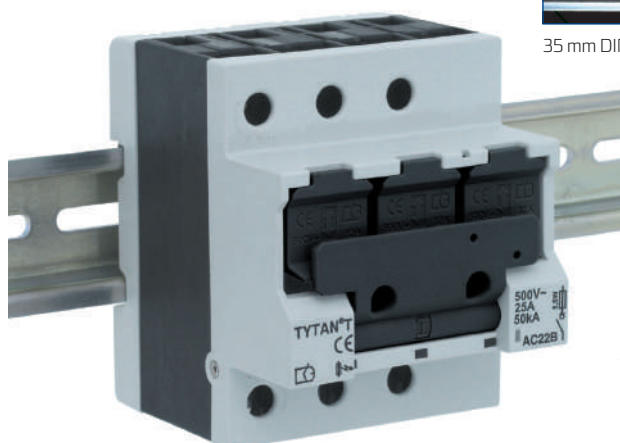


Table 175. Technical data

Classification	Fuse switch disconnecter
Standard	IEC/EN 60947-3
Adapted to fuse switch disconnectors	DO1: 1, 2, 4, 6, 10, 13, 16 A DO2: 20, 25, 32, 35, 40, 50, 63 A gL, gG, aM class
Adapted to fuse switch disconnectors	Cylindrical 10x38 mm 2, 4, 6, 8, 10, 12, 16, 20, 25, 32A
flammability class/track resistance	VO, glowing wire testing 960°C / CTI 600
Degree of protection/touch protection	IP 20 / protection against finger and palm touch
Rated operating voltage U_e	400 V AC
Rated switching current I_e	DO: 63A; 10x38: 32A
Rated impulse withstand voltage U_{imp}	6 kA
Rated short-circuit current I_{cm}	50 kA _{eff}
Utilization category AC	22B
Overvoltage category/pollution degree	IV/3 (DIN VDE 0110)
Terminal type	stainless steel cage terminals 1.5...25 mm ² ; MD 3.5 Nm

Dimensions

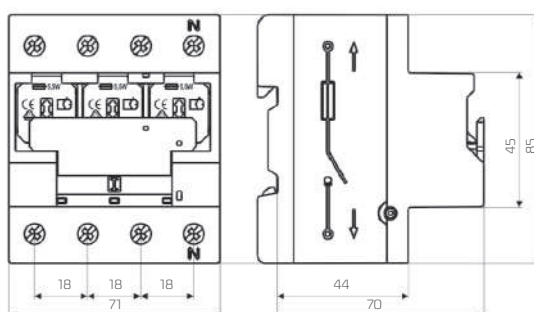
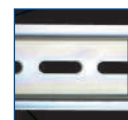


Table 176. TYTAN T Fuse switch disconnecter

Versions	Index no.	Weight [kg]	Package [pcs.]
3-pole	0000104213T	0,40	3
3-pole + N	0000104215T	0,40	3
Reducing spring of the DO2 fuse sleeve to DO1 and for 10x38 mm	0000101774T	0,01	12

DO - CORON[®] 2 FUSE SWITCH DISCONNECTOR



35 mm DIN rail

- flashing response indicator
- universal fuse sleeve
- possibility of sealing
- possibility of padlocking (padlock handle up to Ø 5mm)



Table 177. Technical data

Classification	Fuse switch disconnector
Standard	IEC/EN 60947-3
Adapted to fuse switch disconnectors	D01: 1, 2, 4, 6, 10, 13, 16 A D02: 20, 25, 32, 35, 40, 50, 63 A gL, gG, aM class
flammability class/track resistance	VD, glowing wire testing 960 °C / CTI 600
Degree of protection/touch protection	IP 20 / protection against finger and palm touch
Rated operating voltage U_e	400 V
-AC	1-pole 110 V, 2-pole 220 V
-DC	
Rated switching current I_e	63 A
Rated impulse withstand voltage U_{imp}	6 kA
Rated short-circuit current I_{cm}	50 kA _{eff}
Utilization category	AC 22B
Overvoltage category/pollution degree	IV/3 (DIN VDE 0110)
Terminal type	stainless steel cage terminals 1.5...35 mm ² ; MD 4 Nm

Dimensions

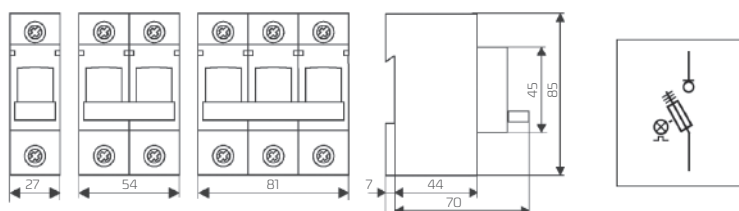


Table 178. CORON 2 Fuse switch disconnector

Versions	Index no.	Weight [kg]	Package [pcs.]
1-pole	0000104651T	0,13	12
2-pole	0000104652T	0,26	6
3-pole	0000104653T	0,40	4
1-pole + N	0000104641T	0,26	6
3-pole + N	0000104643T	0,53	3
Reducing spring of the D02 fuse sleeve to D01	0000104601T	0,01	12



CORON® DUO-DO FUSE SWITCH DISCONNECTOR

- fuse disconnecter for DO-size fuse links with a fuse link burnout indicator and contact position indicator
- width: 27 mm per pole
- optical indicator of fuse activation
- mechanical disconnecter position indicator
- optical connector ON/OFF indicator
- version with an integrated auxiliary switch
- simultaneous switching of all poles
- easy fuse replacement thanks to a fuse locking sleeve with a finger guard
- power supply connectable from either side sealable



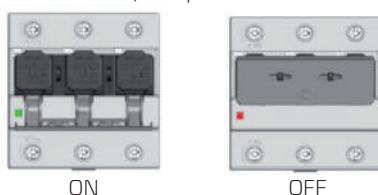
35 mm DIN rail



Table 179. Technical Data

Classification	Fuse switch disconnecter
Standard	IEC / EN 60947-1, IEC / EN 60947-3 IEC / EN 60269-1 VDE 0660 IEC / EN 60969-3-1 DIN VDE 0636, DIN 49522
Rated switching current: I_e	63 A
Rated short circuit breaking capacity: I_{cm}	50 kA
Rated insulation voltage: U_i	500 V
Rated impulse withstand voltage: U_{imp}	6 kV
Category of use	AC 22B
Overvoltage category/pollution degree	IV/3 (DIN VDE 0110)
Power loss per pole - no fuse	L1, L2, L3 – 2 W; N – 1,5 W
Maximum fuse permissible power dissipation P_n	5,5 W
Optical fuse activation indicator - Rated operating voltage range	AC 60-400 V
Auxiliary switch -Rated current/operating current U_e/I_e	AC 250 V/5 A
Flammability class	VO, glow wire test 960°C
Ambient temperature	-25 °C ÷ 60 °C
Protection against direct touch	BGV A3
Terminal type	Stainless steel cage terminal 1,5÷35 mm ² ; MD 3 Nm

ON/OFF position



Dimensions

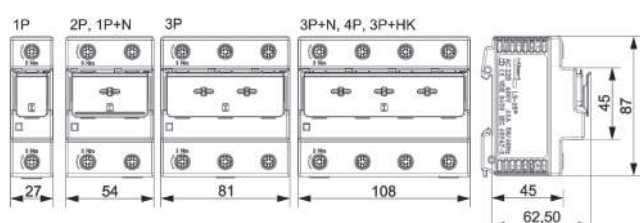
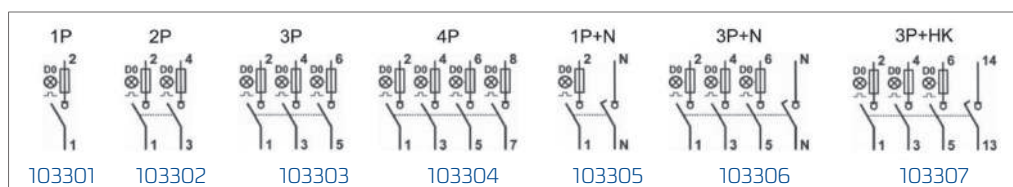


Table 180. CORON® DUO Fuse switch disconnecter

Version	Index number	Weight [kg]	Packaging [pcs]
1-pole	0000103301T	0,107	12
2-pole	0000103302T	0,206	6
3-pole	0000103303T	0,302	4
4-pole	0000103304T	0,400	6
1-pole + N (N leading/delayed)	0000103305T	0,194	6
3-pole + N (N leading/delayed)	0000103306T	0,388	3
3-pole + auxiliary switch	0000103307T	0,388	3



DO-FUSE BASE E14, E18

- width: 27 mm per pole
- larger coupling surface
- double cage terminal on the input
- IP rating IP20
- mounting: DIN rail - snap mounting



35 mm DIN rail



Table 181. Version

Fuse base E14	Index number	Packaging
1-pole	0000284001T	15
3-pole	0000284003T	5
Fuse base E18		
1-pole	0000284011T	15
3-pole	0000284013T	5

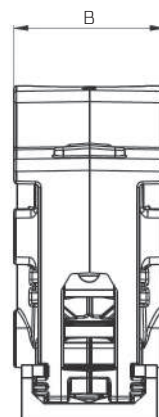
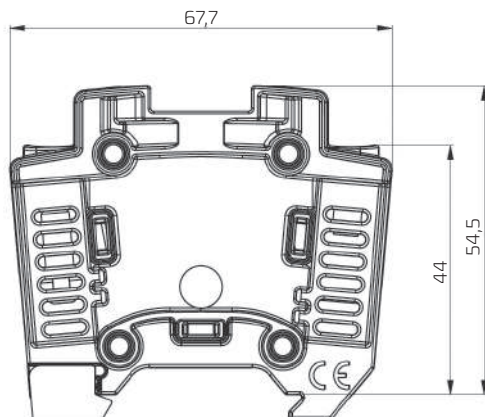
Fuse holder: Table 773. Accessories

For E18 fuse bases, size 007, use fuse reduction sleeves No. 0000727407T only.

Classification	Fuse base	
	E14	E18
Standard	IEC/EN 60969-3; DIN VDE 0636-3	
Suitable for fuse links	D01: 1, 2, 34, 6, 10, 13, 16 A	D01*: 1, 2, 34, 6, 10, 13, 16 A
		D02: 20, 25, 32, 35, 40, 50, 63 A
	class gL, gG, aM	
Flammability class / resistance to creeping currents	VO, glow wire test 960°C/CTI 600	
Protection type / touch protection type	IP20 / finger and hand touch protection	
Rated operating voltage U_e		
-AC	400 V	
-DC	250 V	
Rated thermal current I_{th}	16 A	63 A
Rated impulse withstand voltage U_{imp}	6 kV	
Rated breaking capacity current I_{cm}	AC 50 kA _{eff} / DC 8 kA _{eff}	
Terminal type	stainless steel cage terminals	
	Input 1...35 mm ² + 16 mm ² ; output 1...25 mm ²	
	MD 2,0 Nm	MD 2,5 Nm

* use fuse reduction sleeve No.0000727407T

Dimensions



Type	B [mm]
1-pole	26,8
3-pole	80,4

DO FUSE LINKS

400 V~/250 V-; DIN 49522 DIN VDE 0636 IEC 60269

A snap-on spare parts container installed in the switchboard allows for immediate replacement of inserts and re-connection of the circuit.



Table 182. Fuse links in the snap-on container for the TH busbar

Versions	Index no.	Weight [kg]	Package [pcs.]
12X 2A D01 in the 1.5TE container	0000101202T	0,10	1/24
12X 4A D01 in the 1.5TE container	0000101204T	0,10	1/24
12X 6A D01 in the 1.5TE container	0000101206T	0,10	1/24
12X 10A D01 in the 1.5TE container	0000101210T	0,11	1/24
12X 13A D01 in the 1.5TE container	0000101213T	0,11	1/24
12X 16A D01 in the 1.5TE container	0000101216T	0,11	1/24
12X 20A D02 in the 3TE container	0000101220T	0,18	1/12
12X 25A D02 in the 3TE container	0000101225T	0,18	1/12
12X 32A D02 in the 3TE container	0000101232T	0,19	1/12
12X 35A D02 in the 3TE container	0000101235T	0,21	1/12
12X 40A D02 in the 3TE container	0000101240T	0,21	1/12
12X 50A D02 in the 3TE container	0000101250T	0,22	1/12
12X 63A D02 in the 3TE container	0000101263T	0,22	1/12
13x set of 12 fuse switch disconnectors The set contains all fuse switch disconnectors from the range 2..63	0000101200T	2,10	1



Table 183. Fuse links

Versions	Index no.	Weight [kg]	Package [pcs.]
D01 2A	0000100202T	0,10	50
D01 4A	0000100204T	0,10	50
D01 6A	0000100206T	0,10	50
D01 10A	0000100210T	0,11	50
D01 13A	0000100213T	0,11	50
D01 16A	0000100216T	0,11	50
D02 20A	0000100220T	0,18	50
D02 25A	0000100225T	0,18	50
D02 32A	0000100232T	0,19	50
D02 35A	0000100235T	0,21	50
D02 40A	0000100240T	0,21	50
D02 50A	0000100250T	0,22	50
D02 63A	0000100263T	0,22	50



CALIBRE INSERT

DIN 49523 DIN VDE 0636 IEC 60269



Table 184. Calibre insert in the snap-on container for the TH rail

Versions	Index no.	Weight [kg]	Package [pcs.]
12X 2A D01 in the 1.5TE container	0000101302T	0,03	1/24
12X 4A D01 in the 1.5TE container	0000101304T	0,03	1/24
12X 6A D01 in the 1.5TE container	0000101306T	0,03	1/24
12X 10A D01 in the 1.5TE container	0000101310T	0,03	1/24
12X 2A D02 in the 3TE container	0000101402T	0,03	1/24
12X 4A D02 in the 3TE container	0000101404T	0,03	1/24
12X 6A D02 in the 3TE container	0000101406T	0,03	1/24
12X 10A D02 in the 3TE container	0000101410T	0,03	1/24
12X 16A D02 in the 3TE container	0000101416T	0,03	1/24
12X 20A D02 in the 3TE container	0000101420T	0,03	1/24
12X 25A D02 in the 3TE container	0000101425T	0,03	1/24
12X 35A D02 in the 3TE container	0000101435T	0,03	1/24
12X 50A D02 in the 3TE container	0000101450T	0,03	1/24
Full set of 13x12 calibre inserts from the range 2-50 A	0000101300T	0,39	1

Table 185. Calibre insert

Versions	Index no.	Weight [kg]	Package [pcs.]
D01 E14 2A	0000100302T	0,001	50
D01 E14 4A	0000100304T	0,001	50
D01 E14 6A	0000100306T	0,001	50
D01 E14 10A	0000100310T	0,001	50
D02 E18 2A	0000100402T	0,001	50
D02 E18 4A	0000100404T	0,001	50
D01 E18 6A	0000100406T	0,001	50
D01 E18 10A	0000100410T	0,001	50
D01 E18 16A	0000100416T	0,001	50
D01 E18 20A	0000100420T	0,001	50
D01 E18 25A	0000100425T	0,001	50
D01 E18 35A	0000100435T	0,001	50
D01 E18 50A	0000100450T	0,001	50



Table 186. Accessories

Versions	Index no.	Weight [kg]	Package [pcs.]
Key for mounting the calibre insert	0000101400T	0,02	1/12
Plastic D02 fuse head with a measuring hole	0000126024T	0,01	20
Reduction insert for fuse switch disconnectors D01	0000121401T	0,01	20
Porcelain D02 fuse head with a measuring hole	0000127024T	0,01	20
Porcelain D01 fuse head with a measuring hole	0000127025T	0,01	20



0000121401T

