

## switch-disconnector for D0 fuses up to 63 A (31 307)



### Description

#### Article

Part No.: 31 307

SECUR<sup>®</sup> Panel

switch-disconnector for D0 fuses up to 63 A

1P

#### System

DIN rail

**Product group** 03

**Subgroup** 81

**pack size** 3

**EAN** 4021267313074

#### Advantages of the product

Double function terminal

any feed direction

captive fuse carrier

sealable operation

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eCl@ss 6.1 27142110

eCl@ss 7.1 27142110

ETIM 4.0 EC000277

ETIM 5.0 EC000277

## Approvals

### Standards

IEC 60947-1:2007 + A1:2010

IEC 60947-3:2008 + A1:2012

VDE 0638/09.81

### Approvals

Germanischer Lloyd, VDE, CCC



Type number: APS-D0

CCC certificate: 2015010302770076

## Product data

### Electrical data

Rated current (IEC): 63 A

Rated voltage (IEC) AC: 400 V

Rated voltage (IEC) DC: 65 V

Utilisation category AC (IEC 60947-3): AC-22B (400V)

Utilisation category DC (IEC 60947-3): DC-22B (65 V)

Power dissipation:

The power dissipation at a typical load of 80% of the rated current results to 1.7 W.

(The power dissipation for operation with rated current would be 2.6 W.)

rated isolation voltage  $U_i$  (AC): 500 V  
Rated surge voltage  $U_{imp}$ : 6 kV  
max. permitted voltage (IEC) AC: 500 V  
max. permitted voltage (IEC) DC: 250 V

cond. rated short-circuit current with fuses: 50 kA / 400 V AC  
approved with fuse links of characteristics: gG

for fuse links and gauge rings as per DIN VDE 0636-3 IEC / EN 60269-3  
utilisation category as per VDE 0638:  AC-22 (400V)

The function of isolation between incoming and outgoing contacts is provided by the opening of the switching mechanism as required in the standard.

### **Mechanical data**

W x H x D: 27 x 90 x 70  
Weight: 14 kg/100  
Poles: 1-pole

front degree of protection: IP20

### **Terminal points**

box terminal :  
1,5 - 35 mm<sup>2</sup> flexible cables, directly or with wire-end ferrule  
(flexible cables of maximum cross-section may not fit when using wire-end ferrule)  
1,5 - 10 mm<sup>2</sup> solid  
Md 2,5 - 3 Nm

2 cables can be connected, when both chambers of the terminal are used  
the maximum combination is 35mm<sup>2</sup> + 16mm<sup>2</sup>

## Material properties

Body: temperature stability 125°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 200,  
halogen-free

Handle: temperature stability 125°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 600,  
halogen-free

Fuse carrier: temperature stability 150°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 125,  
halogen-free

Connecting screws: screw +/- (PZ2), galvanized, chromized

## Reference

D02-Sicherungseinsätze mit versilberten Endkappen verwenden

## Version

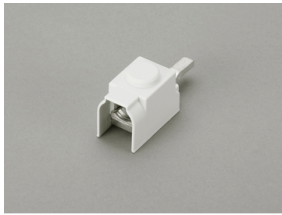
1P+N : Part no. 31 308

2P : Part no. 31 313

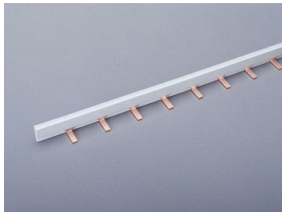
3P : Part no. 31 314

3P+N : Part no. 31 315

## Accessories



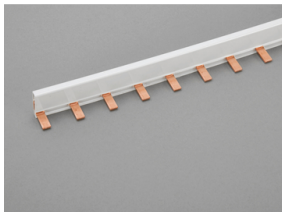
**01 198**  
connecting terminal, front connection  
for comb-type busbars 31 057  
25 - 95 mm<sup>2</sup>



**31 014**  
comb type busbar, insulated, 1-pole, bridge type  
80 A, pitch 27 mm, 1 m long  
16 mm<sup>2</sup>



**31 028**  
connecting terminal, side connection  
for comb-type busbars 31 014, 31 024, 31 309, 31 311  
6 - 50 mm<sup>2</sup>



**31 057**  
comb bar, insulated, 1-pole, bridge type  
130 A, pitch 27 mm 1 m long  
35 mm<sup>2</sup>



**31 316**  
pilot switch, to monitor the switch position  
1 NO / 1 NC : 400 V AC / 2 A; 24 V DC / 6 A



**31 902**  
reducer for D01 fuses