

D0 switch-disconnector-fuse, for 3-pole busbar system (31575)



The picture may show a similar product.

Description

Part No.: **31575 000B**

SECUR® 60Classic EasyLiner

D0 switch-disconnector-fuse, for 3-pole busbar system

for D01 and D02 fuses, with LED

63 A / 3P

indication (LED) of a tripped fuse link

operator independent switching (snap-action mechanism)

connection bottom

for busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

System

60Classic

Advantages of the product

spring terminal enables connection without tools (at first installation)

Product group 01

Subgroup 42

pack size 1
EAN 4021267315757

ETIM 5.0 EC000277
ETIM 8.0 EC000277
ETIM 10.0 EC000277

Approvals

Standards

IEC 60947-1:2020
IEC 60947-3:2020 AC ratings only

Approvals

IEC (CB), VDE, CCC



type number: SEL

CCC certificate: 2014010302710123

Technical data

for fuse links size:	D0
fuse links acc. to standard:	IEC / HD 60269-3
permitted power dissipation of the fuse-link:	5.5 W
requirements for contact parts:	use fuse links with silver-plated contacts

Details IEC

Standards

IEC 60947-1:2020
IEC 60947-3:2020 AC ratings only

Electrical data IEC

rated current (IEC): 63 A
rated voltage (IEC) AC: 400 V

rated isolation voltage U_i AC: 500 V

rated surge voltage U_{imp} : 6 kV

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

cond. short-circuit current with fuses (AC): 50 kA / 400 V

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 4.5 W.

(The power dissipation at full load would be 7.0 W.)

Supplementary data IEC

The following values have been verified with tests under certain conditions. Please ask Wöhner for this conditions before designing your panel.

A fuse-combination unit acc. to IEC 60947-3 can only be operated at a higher voltage than its rated voltage, if it is used as a fuse-disconnector without breaking capacity, up to its max. rated insulation voltage and labelled as such.

min. permitted operation temperature -25°C

max. permitted operation temperature 55°C

min. permitted temperature for transport and storage -25°C

reduction factor at ambient temperature:

35°C 1,0

45°C 0,9

55°C 0,8

for fuse links and gauge elements acc. to IEC / HD 60269-3

use of D02 fuse links with silver plated caps is recommended

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

There is a transfer of the potential from the busbars, through the LED units, to the terminals when the fuse links are removed and the switching mechanism is closed.

Mechanical data

W x H x D: 27 x 200 x 80
weight: 33.0 kg/100
poles: 3-pole
for busbars: 12, 15, 20, 25, 30 x 5, 10 and section busbars

front degree of protection: IP20

Terminal points

spring pulley connection

screw drive:	PZ2
wire stripping:	12 mm
min. cross-section:	1.5 mm ²
max. cross-section:	16 mm ²
Md min.:	2.5 Nm
Md max.:	3.0 Nm

Not suitable for aluminium cables !

1,5 - 16 mm² round stranded and flexible without wire-end ferrule

1,5 - 16 mm² flexible with wire-end ferrule*

1,5 - 10 mm² flexible with wire-end ferrule

1,5 - 10 mm² round solid

* 16 mm² prepared with crimping tool PZ 16 (Weidmüller) or
with jointing clamp Crimpfox 25R (Phoenix Contact)

the connecting wires can be placed at the side :

up to 6mm² without side module

up to 10mm² when using the side module

Material properties

Material: Plastic

halogen-free: Yes

Application notes

Not suitable for aluminium cables !

A fuse-combination unit acc. to IEC 60947-3 can only be operated at a higher voltage than its rated voltage, if it is used as a fuse-disconnector without breaking capacity, up to its max. rated insulation voltage and labelled as such.

The devices have to be equipped with D0 gauge rings. Together with reducer part no. 31902 also suitable for fuse-links D01.

The use of the side module part no. 31914 is recommended for continuous loads of 35 A or greater.

use of D02 fuse-links with silver plated caps is required

LED lights when the fuse-link trips or is missing

can be locked (padlock) in OFF position (O) and sealed in ON position (I)

permitted power dissipation of the fuse-link: 5.5 W

requirements for contact parts: use fuse links with silver-plated contacts

Accessories

further accessories



31914 000A

9 mm side module for 31574 and 31575
for 3-pole system



31976 000A

pilot switch
changeover 250 V AC / 5 A, 30 V DC / 4 A

accessories for fuses



31902 000

reducer D02 for D01 fuses 2 - 16 A
for: APS, SEL, SPL

<https://pim.woehner.de/EN/EN/1000172751>