wöhner

D0 busbar mounted switch-disconnector-fuse (31158000)



The picture may show a similar product.

Description

Part No.: **31158** 000
SECUR 60Classic PowerLiner
D0 busbar mounted switch-disconnector-fuse
for fuse links D01 and D02
63 A / 3P
connection bottom
for busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars
3-pole / 1-pole switching

System
60Classic

Product group 01
Subgroup 42

pack size 1
EAN 4021267311582

Changes in the interest of developments and technical progress are reserved.
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ECLASS 14.0	27142110
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
VDE , CCC

type number: SPL-D0
EAC Type: D0

CCC certificate: 2018010302128773

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:	Fuse links with silver-plated contact pieces recommended. For fuse links with nickel-plated contact pieces, a reduction factor of 0.8 is to be observed.

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 voltage (IEC) DC: 110 V

rated isolation voltage U_i AC: 500 V
rated isolation voltage U_i DC: 250 V
rated surge voltage U_{imp} : 6 kV

Utilisation category AC (IEC 60947-3) : AC-23A (400 V)

cond. short-circuit current with fuses (AC): 50 kA / 400 V
approved wth fuse links of operation class: gG

power dissipation of the article:
The power dissipation at a typical load of 80 % results to 6.7 W.
(The power dissipation at full load would be 10.5 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.

further utilisation category DC (IEC 60947-3): DC-21B (48V) 1 pole
DC-21B (110V) 2 poles

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.

max. permitted operation temperature 65°C

for fuse links and gauge rings as per DIN VDE 0636-3 IEC / HD 60269-3
utilisation category as per VDE 0638: AC22
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 220 x 100
weight: 75.9 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

cage clamp connection

screw drive:	PZ2
wire stripping:	12 mm
min. cross-section:	1.5 mm²
max. cross-section:	16 mm²
Md min.:	2.0 Nm
Md max.:	2.5 Nm

Not suitable for aluminium cables !

frame terminal:
Cu 1,5 - 6 mm² round solid
Cu 1,5 - 16 mm² flexible with or without ferrule

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.
SECUR®PowerLiner can be fitted with D0 adapter sleeves. With reducer insert (Part no. 31902) and adapter sleeves, also suitable for D01 fuse links. The use of the side module part no. 31901 is recommended for continuous loads of 35 A or greater.

use D0 fuse links with silver plated caps

permitted power dissipation of the fuse-link:	5.5 W
requirements for contact parts:	Fuse links with silver-plated contact pieces recommended. For fuse links with nickel-plated contact pieces, a reduction factor of 0.8 is to be observed.

Accessories

further accessories



31901 000
side-mounted module
for: PowerLiner



31903 000
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/1000041181