

holder for cylindrical fuses (31120000)



The picture may show a similar product.

Description

Part No.: **31120 000**

AMBUS Panel

holder for cylindrical fuses

22 x 58 / 1P

100 A / 690 V

for mounting rail

System

Panel

Advantages of the product

large clamping range

Product group 17

Subgroup 12

pack size 6

EAN 4021267311209

ECLASS 14.0 27142190
ETIM 5.0 EC002705
ETIM 8.0 EC002705
ETIM 10.0 EC002705

Approvals

Standards

IEC 60947-1:2020
IEC 60947-3:2020 AC ratings only
UL 4248-1

Approvals

IEC (CB) , CSA , UL , CCC



for UL feeder circuits >250V

type number: AES22x58
EAC Type: AES

UL file: E230163, UL category (for USA): IZLT <https://www.ul.com>
UL file: E230163, UL category (for Canada): IZLT7 <https://www.ul.com>
CSA file: 110285, CSA class: 6225-01 <https://directories.csa-international.org>
CCC certificate: 2012010302584095

Technical data

for fuse links size: 22x58
fuse links acc. to standard: IEC / HD 60269-2
permitted power dissipation of the fuse-link: 9,5 W

Details IEC

Standards

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

Electrical data IEC

rated current (IEC): 100 A

rated voltage (IEC) AC: 690 V

rated isolation voltage U_i AC: 800 V

rated isolation voltage U_i DC: 800 V

rated surge voltage U_{imp} : 6 kV

cond. short-circuit current with fuses (AC): 100 kA / 500 V (125 A)

80 kA / 690 V (80 A)

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 2,2 W.

(The power dissipation at full load would be 3,5 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 AC (IEC 60947-3): AC-20B (1000 V) at pollution degree 2

further utilisation category DC (IEC 60947-3): DC-20B (800 V)

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 -40°C

for fuse links as per IEC / EN 60269-2 with permitted rated power dissipations

up to max. 9.5W for gG/gL

up to max. 7W for aM

Details UL

Standards

UL 4248-1

for UL feeder circuits $>250\text{V}$

suitable for field-installed conductors

Electrical data UL

rated current (UL): 80 A
rated voltage (UL) AC: 600 V
rated frequency (UL): 50 / 60 Hz
rated voltage (UL) DC: 600 V
for wires UL: Cu 75°C

SCCR: 100 kA

Mechanical data

W x H x D: 36 x 115 x 69
weight: 15,8 kg/100
poles: 1-pole
Mounting: for mounting rail

degree of protection: IP20
front degree of protection: IP20

Terminal points

cage clamp connection
screw drive: PZ2
wire stripping: 20 mm
min. cross-section: 4 mm²
max. cross-section: 50 mm²
Md min.: 3,5 Nm
Md max.: 4,0 Nm
Not suitable for aluminium cables !

min. cross-section UL: AWG 10
max. cross-section UL: AWG 1/0
torque (UL): 35 lb-in
for wires UL: Cu 75°C

Material properties

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.

permitted power dissipation of the fuse-link: 9,5 W
for UL feeder circuits >250V

<https://pim.woehner.de/EN/FR/1000051244>