

## holder for cylindrical fuses, for semiconductor fuses (31275)



The picture may show a similar product.

### Description

Part No.: **31275 000**

AMBUS<sup>®</sup> Panel

holder for cylindrical fuses, for semiconductor fuses

Size 10x38

10 x 38 / 1P

32 A / 690 V

for mounting rail

### System

Panel

### Advantages of the product

large clamping range

holder for label

Product group 17

Subgroup 06

pack size 12  
EAN 4021267312756

ETIM 5.0 EC002705  
ETIM 8.0 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: AES10x38

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: 2012010302581751

## Technical data

for fuse links size: 10x38  
fuse links acc. to standard: IEC / HD 60269-2  
permitted power dissipation of the fuse-link: 4.3 W

### Details IEC

#### Standards

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

## Electrical data IEC

rated current (IEC): 32 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

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

cond. short-circuit current with fuses (AC): 100 kA / 400 V (32A)  
100 kA / 500 V (25A)  
50 kA / 690 V (10 A)  
approved with fuse links of operation class: gG (10 A aR)

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 0.2 W.  
(The power dissipation at full load would be 0.3 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  $-40^{\circ}\text{C}$

for fuse links as per IEC / EN 60269-2  
with permitted rated power dissipations  
up to max. 3W for gG/gL  
up to max. 1.2W for aM  
up to max. 4.3W for aR/gR

## Details UL

### Standards

UL 4248-1

for UL feeder circuits >250V  
suitable for field-installed conductors

### Electrical data UL

rated current (UL): 30 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: 18 x 81 x 58  
weight: 5.2 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:	11 mm
min. cross-section:	0.75 mm <sup>2</sup>
max. cross-section:	25 mm <sup>2</sup>
Md min.:	2.0 Nm
Md max.:	2.5 Nm

Not suitable for aluminium cables !

min. cross-section UL:	AWG 18
max. cross-section UL:	AWG 4
torque (UL):	18 - 22 lb-in
for wires UL:	Cu 75°C

for applications acc. to IEC / EN :

1 wire:

Cu 0,75 - 25 mm<sup>2</sup>

2 wires (of same cross-section):

Cu 0,75 - 10 mm<sup>2</sup>

flexible cables, directly or with wire-end ferrule

(flexible cables of max. cross-section may not fit when using wire-end ferrule)

Md 2,0 - 2,5 Nm / 18 - 22 lb.in.

for applications acc. to UL / CSA :

only Cu cables acc. to UL 486E

1 wire:

AWG 18 - AWG 8, Class B, Md 2,0 - 2,5 Nm / 18 - 22 lb.in.

AWG 6 - AWG 4, Class C, Md 2,5 - 3,0 Nm / 22 - 26 lb.in.

2 wires (of identical cross-section):

AWG 18 - AWG 8, Class B, Md 2,0 - 2,5 Nm / 18 - 22 lb.in.

AWG 6, Class C, Md 2,0 - 2,5 Nm / 18 - 22 lb.in.

## Material properties

halogen-free: Yes

## Application notes

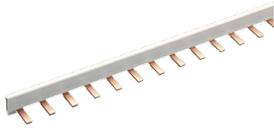
Not suitable for aluminium cables !

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: 4.3 W  
for UL feeder circuits >250V

# Accessories

connection accessories



## 31101 000A

comb-type busbar, 1-pole, bridge type, pitch 18 mm  
80 A, 1 m long  
16 mm<sup>2</sup>



## 31103 000

connection terminal, side connection  
6 - 25 mm<sup>2</sup>  
for: 31101, 31102



## 31157 000

connection terminal, front connection  
6 - 25 mm<sup>2</sup>  
for: 31101, 31102



## 31548 000

comb-type busbar, 1-pole, bridge type, pitch 18 mm  
100 A, 1 m long  
25 mm<sup>2</sup>



## 31039 000

connection terminal, front connection  
6 - 35 mm<sup>2</sup> / AWG 10 - 1/0  
for: 31548



## 31550 000

connection terminal, front connection  
6 - 35 mm<sup>2</sup>  
for: 31549, 31561

<https://pim.woehner.de/EN/EN/1000050944>