

## holder for cylindrical fuses (31974)



The picture may show a similar product.

### Description

Part No.: **31974 000**

AMBUS<sup>®</sup> Panel

holder for cylindrical fuses

10x38 / 2P

30 A / 1000 V DC

for mounting rail

### System

Panel

### Advantages of the product

large clamping range

holder for label

Product group 17

Subgroup 06

pack size 6

EAN 4021267319748

ETIM 5.0 EC002705

ETIM 8.0 EC002705

## Approvals

### Standards

IEC 60269-1:2006 + A1:2009 + A2:2014

IEC 60269-2:2013 + A1:2016

UL 4248-1

UL 4248-19

### Approvals

IEC (CB), CSA, UL, CCC



for UL feeder circuits >250V

type number: AES10x38/PV

UL file: E342576, UL category (for USA): IZMR <https://www.ul.com>

CSA file: 110285, CSA class: 6225-30 <https://directories.csa-international.org>

CCC certificate: 2013010308601276

## Technical data

for fuse links size: 10x38

fuse links acc. to standard: IEC / EN 60269-6

permitted power dissipation of the fuse-link: 4 W

### Details IEC

#### Standards

IEC 60269-1:2006 + A1:2009 + A2:2014

IEC 60269-2:2013 + A1:2016

#### Electrical data IEC

rated current (IEC): 30 A

rated voltage (IEC) DC: 1000 V

rated isolation voltage  $U_i$  DC: 1000 V

rated surge voltage  $U_{imp}$ : 8 kV

cond. short-circuit current with fuses (DC): 20 kA / 1000 V (30 A)

approved with fuse links of operation class: gPV

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 0.4 W.

(The power dissipation at full load would be 0.6 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.

max. permitted voltage (IEC) DC: 1000 V

min. permitted operation temperature -40°C

max. permitted operation temperature 65°C

use of fuse links with silver plated caps is recommended

### Details UL

#### Standards

UL 4248-1

UL 4248-19

for UL feeder circuits >250V

suitable for field-installed conductors

### Electrical data UL

rated current (UL): 30 A

rated voltage (UL) DC: 1000 V

for wires UL: Cu 90°C

SCCR protected max.: 33 kA  
with IZLT fuse 10x38 30 A / 1000 V DC  
max. let-through current  $I_d$  (UL): 8.65 kA  
max. let-through energy (UL): 16.9 kA<sup>2</sup>s

### **Mechanical data**

W x H x D: 36 x 81 x 58  
weight: 10.3 kg/100  
poles: 2-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 90°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 !

permitted power dissipation of the fuse-link: 4 W

for UL feeder circuits >250V

## Accessories

### fuse links



#### **31544 000**

cylindr. fuse link 10 A  
1000 V DC, gPV  
10 x 38



#### **31545 000**

cylindr. fuse link 12 A  
1000 V DC, gPV  
10 x 38



#### **31546 000**

cylindr. fuse link 16 A  
1000 V DC, gPV  
10 x 38



#### **31547 000**

cylindr. fuse link 20 A  
1000 V DC, gPV  
10 x 38

<https://pim.woehner.de/EN/EN/1000051028>