

## holder for cylindrical fuses (31118)



The picture may show a similar product.

### Description

Part No.: **31118** 000

AMBUS<sup>®</sup> Panel

holder for cylindrical fuses

14x51 / 3P

50 A / 690 V

for mounting rail

### System

Panel

### Advantages of the product

large clamping range

holder for label

Product group 17

Subgroup 09

pack size 2

EAN 4021267311186

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: AES14x51

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: 2004010302117255

## Technical data

for fuse links size: 14x51  
fuse links acc. to standard: IEC / HD 60269-2  
permitted power dissipation of the fuse-link: 5 W

### Details IEC

#### Standards

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

#### Electrical data IEC

rated current (IEC): 50 A  
rated voltage (IEC) AC: 690 V

rated isolation voltage  $U_i$  AC: 800 V

rated surge voltage  $U_{imp}$ : 6 kV

cond. short-circuit current with fuses (AC): 100 kA / 400 V (50 A)

100 kA / 500 V (40 A)

80 kA / 690 V (25 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 1.7 W.

(The power dissipation at full load would be 2.7 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

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. 5W for gG/gL

up to max. 3W 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): 50 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: 81 x 90 x 69  
weight: 30.4 kg/100  
poles: 3-pole  
Mounting: for mounting rail

degree of protection: IP20  
front degree of protection: IP20

### Terminal points

cage clamp connection  
screw drive: PZ2  
wire stripping: 14 mm  
min. cross-section: 1.5 mm<sup>2</sup>  
max. cross-section: 35 mm<sup>2</sup>  
Md min.: 2.5 Nm  
Md max.: 3.0 Nm  
Not suitable for aluminium cables !

min. cross-section UL: AWG 14  
max. cross-section UL: AWG 2  
torque (UL): 26 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: 5 W  
for UL feeder circuits >250V

# Accessories

## connection accessories



### **01228 000A**

connection terminal, front connection  
25 - 95 mm<sup>2</sup>  
for: 31056



### **31012 000A**

comb-type busbar, 3-pole, bridge type, pitch 27 mm  
80 A, 1 m long  
16 mm<sup>2</sup>



### **31029 000A**

connection terminal, side connection  
6 - 50 mm<sup>2</sup>  
for: 31012, 31310, 31312



### **31056 000A**

comb-type busbar, 3-pole, bridge type, pitch 27 mm  
130 A, 1 m long  
35 mm<sup>2</sup>



### **31085 000A**

connection terminal, front connection  
6 - 50 mm<sup>2</sup>  
for: 31012, 31310, 31312

<https://pim.woehner.de/EN/EN/1000051137>