

holder for cylindrical fuses, for semiconductor fuses (31 281)



## Description

### Article

Part No.: 31 281

AMBUS<sup>®</sup> Panel

holder for cylindrical fuses, for semiconductor fuses

22 x 58 / 1P

100 A / 690 V

### System

DIN rail

Product group 17

Subgroup 12

pack size 6

EAN 4021267312817

### Advantages of the product

large clamping range

eCl@ss 6.1 27142190  
eCl@ss 7.1 27142190  
ETIM 4.0 EC002705  
ETIM 5.0 EC002705

## Approvals

### Standards

IEC 60947-1:2007 + A1:2010 + A2:2014  
IEC 60947-3:2008 + A1:2012

### Approvals

IEC (CB), CSA, UL, CCC



for UL feeder circuits >250V

Type number: AES22x58

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

## Product data

### Electrical data

Rated current (IEC): 100 A  
Rated voltage (IEC) AC: 690 V

Rated current (UL): 80 A  
Rated voltage (UL) AC: 600  
V  
Rated voltage (UL) DC: 600  
V

Power dissipation:

The power dissipation at a typical load of 80% of the rated current results to 2.2 W.

(The power dissipation for operation with rated current would be 3.5 W.)

rated isolation voltage  $U_i$  (AC): 800  
V

rated isolation voltage  $U_i$  (AC): 800  
V

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

max. permitted voltage (IEC) AC: 800  
V

cond. rated short-circuit current with fuses: 80 kA / 690 V  
100 kA / 500 V

approved with fuse links of characteristics: gG

SCCR: 100 kA

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 for fuse links aR / gR / gRL under operating conditions up to max. 11W, for  
which at least 50mm<sup>2</sup> leads must be connected

### **Mechanical data**

W x H x D: 36 x 115 x 69

Weight: 15.8 kg/100

Poles: 1-pole

degree of protection: IP20

front degree of protection: IP20

### **Terminal points**

box terminal :

4 - 50 mm<sup>2</sup> / AWG 10 - AWG 1/0

flexible cables, directly or with wire-end ferrule

Md 3,5 - 4,0 Nm / 31 - 35 lb.in.

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

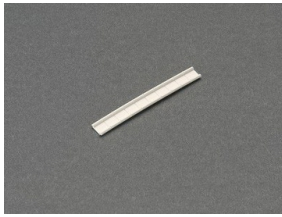
## Material properties

- Main body: temperature stability 125°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 600,  
halogen-free
- Fuse carrier: temperature stability 140°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 200,  
halogen-free
- Connecting screw +/- (PZ2), galvanized, chromized  
screws:

## Version

Standard version: Part no. 31120

## Accessories



**31 939**

label for AES

100x 10 pcs.

**stock sale**