



Part No.: 31971
AMBUS®EasySwitch
holder for cylindrical fuses 10 x 38, 1-pole
1000 V DC (for photovoltaic applications)

Standards :

IEC 60269-1:2006
IEC 60269-2:2006
EN 60269-1:2007
HD 60269-2:2007
UL 4248-1 Ed. 1
UL 4248-18 Ed. 2

Approvals :

GOST, UL

Type No.: AES10x38/PV

UL File Number: E342576, Category: IZMR, www.ul.com

Electrical Data :

30 A, 1000 V DC

Power dissipation:

The power dissipation of the device results in 0,2 W at a typical load with 80 % of the nominal current.

(The power dissipation is 0,3 W for application at nominal current.)

for fuse links to IEC 60269-2, -4, -6 with rated power dissipation max. 3 W

Mechanical Data :

Width x Height x Depth (mm): 18 x 81 x 58

Weight (g): 51

Mechanical Data :

Fastening method:
clip-on mounting

Connections :

box terminal :

for applications acc. to IEC / EN :

1 wire : Cu 0,75 - 25 mm²

2 wires (of same cross-section) : Cu 0,75 - 10 mm²

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 Characteristics :

Body:

temperature stability 125°C,
self-extinguishing in acc. to UL 94,
creepage resistance CTI 200,
halogen-free

Fuse carrier:

temperature stability 140°C,
self-extinguishing in acc. to UL 94,
creepage resistance CTI 200,
halogen-free

Connecting screws:

+/- (PZ2), galvanized, chromized

Accessories to Article 31971 :

31544 cylindr. fuse link 10 A
1000 V, gPV type

31545 cylindr. fuse link 12 A
1000 V, gPV type

31546 cylindr. fuse link 16 A
1000 V, gPV type

31547 cylindr. fuse link 20 A
1000 V, gPV type

31101 comb type busbar, insulated, 1-pole, bridge type
80 A, pitch 27 mm, 1 m long

31548 comb type busbar, 1-pole, bridge type
100 A, pitch 18 mm, 1 m long

Accessories to Article 31971 :

31103 connecting terminal, side connection
for comb type busbars pitch 18 mm

31157 connecting terminal, front connection
for comb type busbars pitch 18 mm

31550 connecting terminal, front connection
for 31548, 31561, 31549