



**Part No.: 31110**  
**AMBUS®EasySwitch**  
**holder for cylindrical fuses 10 x 38**  
**1-pole**

**Product Advantages :**

Large conductor cross-sections can be connected.  
Label can be attached.

**Standards :**

IEC / EN 60947-3  
IEC / EN 60269-2-1(III)  
UL 512  
CSA C22.2 No. 39

**Approvals :**

IEC (CB), GOST, CCC, CSA, UL

Type No.: AES10x38  
Customs Tariff: 8536 30 30

UL File Number: E230163, Category: IZLT2, [www.ul.com](http://www.ul.com)  
CSA File Number: 110285, Class Number: 6225-01, <http://directories.csa-international.org>  
CCC certificate: 2004010302117255

**Electrical Data :**

IEC, EN : 32 A, 690 V (50-60 Hz) / 440 V DC  
UL, CSA : 30 A, 600 V (60 Hz)  
rated insulation voltage : 800 V  
utilisation category to IEC 60947-3  
AC-22B (400 V)

**Electrical Data :**

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.)

conditional rated short circuit current 50 kA (400 V) with fuse links gG

for fuse links to IEC / EN 60269-2-1(III) with rated power dissipation:

max. 3 W gG/gL

max. 1,2 W aM

**Mechanical Data :**

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

Weight (g): 63

Fastening method:

clip-on mounting

**Connections :**

box terminal :

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 Characteristics :**

Body:

temperature stability 120°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 200,  
halogen-free

Fuse carrier:

temperature stability 120°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 200,  
halogen-free

Connecting screws:

+/- (PZ2), galvanized, chromized

**Versions :**

version with luminous indication : part no. 31130

version for semiconductor protection : part no. 31275

**Accessories to Article 31110 :**

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

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

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

31267 connection kit 10x38, 2-pole  
for 10 2-pole combinations 10x38

31268 connection kit 10x38, 3-pole  
for 10 3-pole combinations 10x38

31939 label for AES  
100x 10 pcs.

31258 N module  
32 A / 690 V

31524 connection kit 10x38, 4-pole  
for 10 4-pole combinations 8x31 or 10x38

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

31550 connecting terminal, front connection  
for comb type busbars 690 V AC pitch 18 mm