

## in-line fuse switch-disconnector 160 A (33235)



The picture may show a similar product.

### Description

Part No.: **33235000**

in-line fuse switch-disconnector 160 A

screw M8 / clamp 70mm<sup>2</sup>

size 00

for busbars 30, 40, 50, 60 x 10

### System

100Energy

### Advantages of the product

Self-closing inspection holes are available in the cover.

Product group 12

Subgroup 51

pack size 1

EAN 4021267332358

ECLASS 6.1 27142108  
ECLASS 7.1 27142108  
ETIM 4.0 EC001046  
ETIM 5.0 EC001046

## Approvals

### Standards

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

### Approvals

IEC (CB) , CCC



type number: SLS-00

CCC certificate: 2004010302117261

## Technical data

for fuse links size:	NH 000, NH 00
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	12 W
requirements for contact parts:	Fuse links with silver-plated contact pieces recommended. For fuse links with nickel-plated contact pieces, a reduction factor of 0.8 is to be observed.

### Details IEC

#### Standards

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

#### Electrical data IEC

Rated current (IEC): 160 A  
rated voltage (IEC) AC: 800 V

rated isolation voltage  $U_i$  AC: 1000 V

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

Utilisation category AC (IEC AC22 B (690 V)

60947-3): AC23 B (400V)

AC23 B (500V / 125A)

AC20 (800 V)

Sichtbarer Hinweis notwendig: Nicht unter Last schalten in Fall von Betriebsspannung höher als 690 V

Utilisation category DC (IEC DC-20B

60947-3): max. voltage between the fuses: 1000V

visible information required: Do not switch under load.

cond. short-circuit current with fuses (AC): 50 kA / 690 V

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 12.8 W.

(The power dissipation at full load would be 20.0 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

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.

Degree of protection IP30 at front, degree of protection near terminal depends on installation

### Mechanical data

W x H x D: 50 x 455 x 120

weight: 137.0 kg/100

for busbars: 30, 40, 50, 60 x 10

Type of fastening: can be screwed onto drilled busbar,  
M8, 12 - 14Nm torque,  
or using terminal clamp,  
adapter for 185-mm-System,  
connection 70mm<sup>2</sup>, screw M8, 12 - 14Nm torque,  
connection clamp 1.5-70mm<sup>2</sup>, 3Nm torque  
wedge clamp terminal 16-70mm<sup>2</sup>, 3Nm torque

### Terminal points

screw M8 :  
Md 12 - 14 Nm

## Application notes

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.

<b>Reference</b>	with adapter (accessory) for the 185mm-System power
permitted power dissipation of the fuse-link:	12 W
requirements for contact parts:	Fuse links with silver-plated contact pieces recommended. For fuse links with nickel-plated contact pieces, a reduction factor of 0.8 is to be observed.

<https://pim.woehner.de/EN/EN/1000049040>