

## in-line fuse switch-disconnector 250 A (33521000A)



The picture may show a similar product.

### Description

Part No.: **33521 000A**

QUADRON 185Power

in-line fuse switch-disconnector 250 A

size 1, 3-pole switchable

V-clamp 35-240 mm<sup>2</sup>

terminal body alu, pressure piece brass

for busbars 30, 40, 60, 80, 100, 120 x 10

### System

185Power

### Advantages of the product

Schienenträger überbaubar (in Systemen mit und ohne Crosslink Berührungsschutzabdeckungen)

Self-closing inspection holes are available in the cover.

Cover can be locked when closed.

**Product group** 12

**Subgroup** 53

pack size 1  
EAN 4021267335212

ECLASS 14.0 27142108  
ETIM 5.0 EC001046  
ETIM 8.0 EC001046  
ETIM 10.0 EC001046

## Approvals

### Standards

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

### Approvals

IEC (CB) , CCC



type number: QU185-1 V-Clamp  
EAC Type: NH

CCC certificate: 2015010302769224

## Technical data

|                                               |                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| for fuse links size:                          | NH 1                                                                                                                                                        |
| fuse links acc. to standard:                  | IEC / HD 60269-2                                                                                                                                            |
| permitted power dissipation of the fuse-link: | 23 W                                                                                                                                                        |
| requirements for contact parts:               | Fuse links with silver-plated contact pieces recommended.<br>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): 250 A

rated voltage (IEC) AC: 800 V

rated isolation voltage  $U_i$  AC: 1000 V

rated surge voltage  $U_{imp}$ : 12 kV

Utilisation category AC (IEC 60947-3): AC-22B (800 V / 160 A)

AC-22B (690 V / 250 A)

AC-23B (400 V / 250 A)

cond. short-circuit current with fuses (AC): 65 kA / 800 V (160 A)

100 kA / 690 V (250 A)

120 kA / 500 V (250 A)

approved with fuse links of operation class: gG

short-circuit strength when protected by fuses: 120 kA

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 15.4 W.

(The power dissipation at full load would be 24.0 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.

further utilisation category DC (IEC 60947-3):

DC-20B

max. voltage between the fuses: 1000 V

visible information required: Do not switch under load.

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°C

max. permitted operation temperature 55°C

min. permitted temperature for transport and storage -40°C

Special operating conditions corresponding to IEC / EN 61439-1 may yield to faulty activations of pilot switches and fuse monitors. The operating conditions have to be considered for the analysis of status signals.

Degree of protection IP20 at front (see mounting instruction)

### **Mechanical data**

W x H x D: 100 x 670 x 189

weight: 480.0 kg/100

poles: 3-pole

for busbars: 30, 40, 60, 80, 100, 120 x 10

CT can be integrated in the device: ja

CT can be integrated in the CT module: ja

front degree of protection: IP20

degree of protection when open: IP10

### **Terminal points**

v-clamp

min. cross-section: 25 mm<sup>2</sup>

max. cross-section: 240 mm<sup>2</sup>

re: 25 - 95 mm<sup>2</sup>

rm: 25 - 150 mm<sup>2</sup>

se: 35 - 240 mm<sup>2</sup>

sm: 35 - 185 mm<sup>2</sup>

Suitable for aluminium conductors.

the temperature of aluminium conductors must not exceed 80°C (see operating instructions)

pre-treatment of aluminium conductors: see general technical information (under Downloads)

### **Material properties**

halogen-free: Yes

## Application notes

Suitable for aluminium conductors.

the temperature of aluminium conductors must not exceed 80°C (see operating instructions)

pre-treatment of aluminium conductors: see general technical information (under Downloads)

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.

The terminal compartment cover 33733 is always needed for the connection at top and when using cable lugs.

When using current transformers and instrument transformers, the maximum permissible operating voltages of the current transformers and instrument transformers must be taken into account.

permitted power dissipation of the fuse-link: 23 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.

# Accessories

## accessories for mounting



### **33740 000A**

terminal clamp

for busbar systems without protection modules

size 1 - 3

for: QU185-1..., QU185-2..., QU185-3..., CRL185-..., EQ185-A320-...



### **33738 000A**

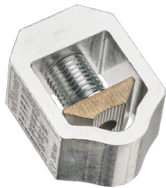
CrossLink® terminal clamp

for busbar systems with CrossLink® touch-safe protection

size 1 - 3

for: QU185-1..., QU185-2..., QU185-3..., CRL185-..., EQ185-A320-...

## connection accessories



### **33564 000B**

connection kit

with 1 V-clamp, without cover

terminal body alu, pressure piece brass

for Cu / Al 120 - 300 mm<sup>2</sup>

e.g. for drilled PE or N bars

## covers



### **33733 000A**

terminal compartment cover

universal for NH-rails size 1 - 3 and connection rail 800 A

size 1- 3



### **33758 000A**

lateral bearing strip

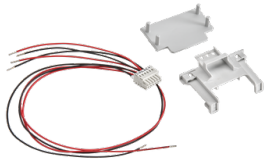
for front covers

size 00 - 3

**33761 000A**

rear touch-safe protection cover  
rear protection for Phase L1

connection cable

**37902 000A**

Connection kit  
spring connector strip with 6 x 0.5 mm<sup>2</sup> leads  
for internal wiring of 333 mV measuring transformers  
**NEW**

**37903 000A**

pin connector  
for independent assembly of RJ12 cables  
**NEW**

**37904 000A**

pin connector with RJ12 lead  
3 m  
to connect prewired in-line fuse switch-disconnectors with the current  
extension module 37100  
**NEW**

**37905 000A**

pin connector with RJ12 lead  
1.5 m  
to connect prewired in-line fuse switch-disconnectors with the current  
extension module 37100  
**NEW**

**37906 000A**

pin connector with RJ12 lead  
0.6 m  
to connect prewired in-line fuse switch-disconnectors with the current  
extension module 37100  
**NEW**

**37907 000A**

pin connector with RJ12 lead

0.3 m

to connect prewired in-line fuse switch-disconnectors with the current extension module 37100

**NEW**

further accessories

**33156 000**

pilot switch

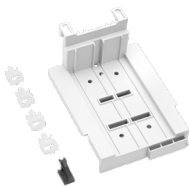
changeover 250 V AC / 5 A, 30 V DC / 4 A

**33762 000A**

universal current transformer module

for mounting in the connection compartment

size 1 - 3

**33769 000A**

component support with mounting rails

for fuse monitor and CT wiring

size 1 - 3

**33768 000A**

plug support with mounting rail

for CT wiring

size 1 - 3

measuring transformers 333mV

**37289 000A**

measuring transformer 200 A / 333 mV

size CT2

class 1

when used on busbars or in 630 A adapters, article 37900 is additionally required

**37290 000A**

measuring transformer 250 A / 333 mV

size CT2

class 1

when used on busbars or in 630 A adapters, article 37900 is additionally required

**37296 000A**

measuring transformer 200 A / 333 mV

size CT2

class 0.5

when used on busbars or in 630 A adapters, article 37900 is additionally required

**37297 000A**

measuring transformer 250 A / 333 mV

size CT2

class 0.5

when used on busbars or in 630 A adapters, article 37900 is additionally required

**37303 000A**

measuring transformer 200 A / 333 mV

size CT2

class 0.5s

when used on busbars or in 630 A adapters, article 37900 is additionally required

**on request**

### current transformers class 1

**37212 000A**

current transformer 200 A / 5 A

size CT2

2.5 VA / class 1

when used on busbars or in 630 A adapters, article 37900 is additionally required

**37213 000A**

current transformer 250 A / 5 A

size CT2

2.5 VA / class 1

when used on busbars or in 630 A adapters, article 37900 is additionally required

current transformers class 0.5

**37219 000A**

current transformer 200 A / 5 A

size CT2

1 VA / class 0.5

when used on busbars or in 630 A adapters, article 37900 is additionally required

**37220 000A**

current transformer 250 A / 5 A

size CT2

2.5 VA / class 0.5

when used on busbars or in 630 A adapters, article 37900 is additionally required

**37232 000A**

current transformer 200 A / 5 A, with decl. of conformity

size CT2

1 VA / class 0.5

when used on busbars or in 630 A adapters, article 37900 is additionally required

**stock sale**

current transformers class 0.5s

**37226 000A**

current transformer 250 A / 5 A

size CT2

1 VA / class 0.5s

when used on busbars or in 630 A adapters, article 37900 is additionally required

**stock sale**

<https://pim.woehner.de/EN/INT/1000292711>