

in-line fuse switch-disconnector 630 A (33533000A)



The picture may show a similar product.

Description

Part No.: **33533 000A**

QUADRON 185Power

in-line fuse switch-disconnector 630 A

size 3, 3-pole switchable

V-clamp 50-300 mm²

terminal body alu, pressure piece brass

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

System

185Power

Advantages of the product

Self-closing inspection holes are available in the cover.

Cover can be locked when closed.

Product group 12

Subgroup 55

pack size 1
EAN 4021267335335

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: QU185-3 V-Clamp
EAC Type: NH

CCC certificate: 2015010302773479

Technical data

for fuse links size:	NH 3
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	48 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): 500 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-20B (800 V / 500 A)

AC-22B (800 V / 315 A)

AC-21B (690 V / 500 A)

AC-22B (500 V / 500 A)

AC-23B (400 V / 500 A)

cond. short-circuit current with fuses (AC): 65 kA / 800 V (315 A)

80 kA / 690 V (500 A)

100 kA / 500 V (630 A)

approved with fuse links of operation class: gG

short-circuit strength when protected by fuses: 100 kA

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 75.5 W.

(The power dissipation at full load would be 118.0 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: 582.3 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: 50 mm²

max. cross-section: 300 mm²

re: 70 - 150 mm²

rm: 50 - 120 mm²

se: 70 - 300 mm²

sm: 70 - 240 mm²

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: 48 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

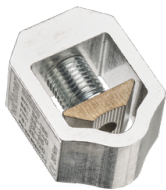
CrossLink® terminal clamp

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 mm²

e.g. for drilled PE or N bars

covers



33758 000A

lateral bearing strip

for front covers

size 00 - 3



33733 000A

terminal compartment cover

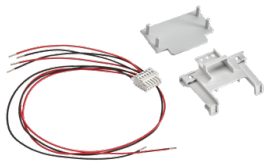
universal for NH-rails size 1 - 3 and connection rail 800 A

size 1- 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 mm² 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

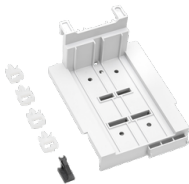


33762 000A

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



37307 000A

measuring transformer 600 A / 333 mV

size CT2

class 0.5s

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

**37304 000A**

measuring transformer 250 A / 333 mV

size CT2

class 0.5s

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

**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

**37298 000A**

measuring transformer 400 A / 333 mV

size CT2

class 0.5

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

**37305 000A**

measuring transformer 400 A / 333 mV

size CT2

class 0.5s

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

**37293 000A**

measuring transformer 600 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

**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

**37292 000A**

measuring transformer 500 A / 333 mV

size CT2

class 1

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

**37306 000A**

measuring transformer 500 A / 333 mV

size CT2

class 0.5s

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

**37291 000A**

measuring transformer 400 A / 333 mV

size CT2

class 1

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

required



37300 000A

measuring transformer 600 A / 333 mV

size CT2

class 0.5

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



37299 000A

measuring transformer 500 A / 333 mV

size CT2

class 0.5

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

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



37215 000A

current transformer 500 A / 5 A

size CT2

2.5 VA / class 1

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

**37216 000A**

current transformer 600 A / 5 A

size CT2

2.5 VA / class 1

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

**37214 000A**

current transformer 400 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

**37222 000A**

current transformer 500 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

**37223 000A**

current transformer 600 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

required



37235 000A

current transformer 500 A / 5 A, with decl. of conformity

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



37221 000A

current transformer 400 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



37233 000A

current transformer 250 A / 5 A, with decl. of conformity

size CT2

2.5 VA / class 0.5

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



37234 000A

current transformer 400 A / 5 A, with decl. of conformity

size CT2

2.5 VA / class 0.5

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

current transformers class 0.5s



37228 000A

current transformer 500 A / 5 A

size CT2

2.5 VA / class 0.5s

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

stock sale



37229 000A

current transformer 600 A / 5 A

size CT2

2.5 VA / class 0.5s

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



37236 000A

current transformer 250 A / 5 A, with decl. of conformity

size CT2

1 VA / class 0.5s

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

stock sale



37237 000A

current transformer 400 A / 5 A, with decl. of conformity

size CT2

2.5 VA / class 0.5s

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



37238 000A

current transformer 500 A / 5 A, with decl. of conformity

size CT2

2.5 VA / class 0.5s

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

**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

**37227 000A**

current transformer 400 A / 5 A

size CT2

2.5 VA / class 0.5s

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

<https://pim.woehner.de/EN/INT/1000293196>