

in-line fuse switch-disconnector 400 A (33702)



The picture may show a similar product.

Description

Part No.: **33702 000A**

QUADRON®185Power

in-line fuse switch-disconnector 400 A

size 2, 3-pole switchable

screw M12

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 54

pack size 1

EAN 4021267337025

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: QU185-2

CCC certificate: 2015010302769224

Technical data

for fuse links size:	NH 2
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	34 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): 400 A
rated voltage (IEC) AC: 690 V

rated isolation voltage U_i AC: 1000 V

rated surge voltage U_{imp} : 8 kV

Utilisation category AC AC-23B 400A/400V

(IEC 60947-3): AC-22B 400A/500V

AC-22B 400A/690V

AC-21B 400A/690V

AC-20B / 800 V

rated current according to the available fuse links, taking into account the maximum permissible power dissipation 34 W.

visible information required: Do not switch under load.

Utilisation category DC DC-20B

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

visible information required: Do not switch under load.

cond. short-circuit current with fuses (AC): 65 kA / 800 V (200A)

100 kA / 690 V (400 A)

120 kA / 400 V (400 A)

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 38,4 W.

(The power dissipation at full load would be 60,0 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.

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.

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

Type of fastening:

can be screwed onto drilled busbar, diameter 13mm, undrilled mounting with terminal clamp connection:
screw connection M12

Terminal points

screw M12 :
Md 30 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.

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

permitted power dissipation of the fuse-link: 34 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



33738 000A

CrossLink® terminal clamp
for busbar systems with CrossLink® touch-safe protection
size 1 - 3



33740 000A

terminal clamp
for busbar systems without protection modules
size 1 - 3

connection accessories



33735 000A

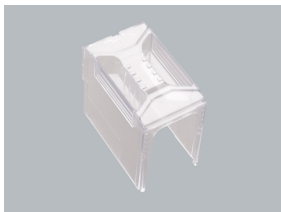
box terminal
for Cu / Al 70 - 240 mm²
size 1 - 3



33736 000A

box terminal
for Cu / Al 120 - 300 mm²
size 1-3

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

further accessories



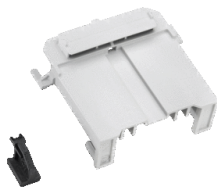
33156 000

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



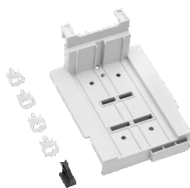
33762 000A

universal current transformer module
for mounting in the connection compartment
size 1 - 3



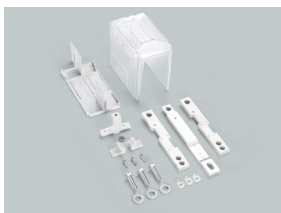
33768 000A

plug support with mounting rail
for CT wiring
size 1 - 3



33769 000A

component support with mounting rails
for fuse monitor and CT wiring
size 1 - 3



33776 000A

universal current transformer module
for mounting in the connection compartment
size 1 - 3

measuring transformers 333mV



37289 000A

measuring transformer 200 A / 333 mV

class 1

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

NEW



37290 000A

measuring transformer 250 A / 333 mV

class 1

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

NEW



37296 000A

measuring transformer 200 A / 333 mV

class 0.5

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

NEW



37297 000A

measuring transformer 250 A / 333 mV

class 0.5

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

NEW



37303 000A

measuring transformer 200 A / 333 mV

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

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

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

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

1.5 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

2.5 VA / class 0.5

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



37221 000A

current transformer 400 A / 5 A

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

1.5 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

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

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

**37226 000A**

current transformer 250 A / 5 A

1.5 VA / class 0.5s

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

fino esaurimento scorte

**37227 000A**

current transformer 400 A / 5 A

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

1.5 VA / class 0.5s

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

fino esaurimento scorte

**37237 000A**

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

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/DE/1000156447>