

in-line fuse switch-disconnector 630 A (33703)



The picture may show a similar product.

Description

Part No.: **33703 000A**

QUADRON®185Power

in-line fuse switch-disconnector 630 A

Size NH 3

size 3, 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 55

pack size 1
EAN 4021267337032

ETIM 5.0 EC001046
ETIM 8.0 EC001046

Approvals

Standards

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

Approvals

IEC (CB)



type number: QU185-3

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): 630 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 / 630 A)

AC-23B (400 V / 630 A)

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

80 kA / 690 V (630 A)

100 kA / 500 V (630 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 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

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

Material properties

halogen-free: Yes

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: 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



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

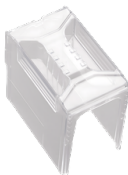
box terminal
for Cu / Al 70 - 240 mm²
size 1 - 3
for: Cu / Al 70 - 240 mm²



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

connection cable

wöhner

37904 000A

RJ12 lead with pin connector strip Wago
with leads RJ12, 3.00 m
to connect prewired in-line fuse switch-disconnectors with the current
extension module 37100

NEW

wöhner

37905 000A

RJ12 lead with pin connector strip Wago
with leads RJ12, 1.5 m
to connect prewired in-line fuse switch-disconnectors with the current
extension module 37100

NEW

wöhner

37906 000A

RJ12 lead with pin connector strip Wago
with leads RJ12, 0.6 m
to connect prewired in-line fuse switch-disconnectors with the current
extension module 37100

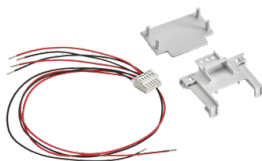
NEW

wöhner

37907 000A

RJ12 lead with pin connector strip Wago
with lead RJ12, 0.3 m
to connect prewired in-line fuse switch-disconnectors with the current
extension module 37100

NEW



37902 000A

Connection kit LTL NH1-3 for RJ12 cable
spring connector strip with 6 x 0.5 mm² leads
for internal wiring of the transformers and connection of the RJ12 cable

NEW

wöhner

37903 000A

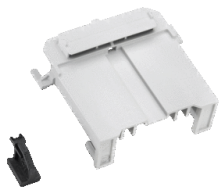
Wago connector components
for independent assembly of RJ12 cables
NEW

further accessories



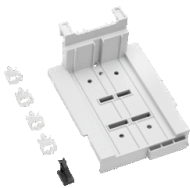
33156 000

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



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



33762 000A

universal current transformer module
for mounting in the connection compartment
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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

**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

NEW

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

**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

**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

current transformers class 0.5

**37219 000A**

current transformer 200 A / 5 A

Size CT2

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

Size CT2

2.5 VA / class 0.5

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

required



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



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



37232 000A

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

Size CT2

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

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

**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

current transformers class 0.5s

**37226 000A**

current transformer 250 A / 5 A

Size CT2

1.5 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

**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

1.5 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

<https://pim.woehner.de/EN/EN/1000156460>