

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



The picture may show a similar product.

Description

Part No.: 33703

QUADRON®185Power

in-line fuse switch-disconnector 630 A

screw M12

size 3, 3-pole switchable

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

catalog page 2020 : 4.11, 4.12

eCl@ss 6.1 27142108
eCl@ss 7.1 27142108
ETIM 4.0 EC001046
ETIM 5.0 EC001046

Approvals

Standards

IEC 60947-1:2007 + A1:2010 + A2:2014
IEC 60947-3:2008 + A1:2012 + A2:2015
GB/T 14048.3

Approvals

IEC (CB) , CCC , EAC



type number: QU185-3
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 60947-1:2007 + A1:2010 + A2:2014

IEC 60947-3:2008 + A1:2012 + A2:2015

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-22B (800 V / 315 A)

AC-21B (690 V / 500 A)

AC-22B (500 V / 630 A)

AC-23B (400 V / 630 A)

Utilisation category DC (IEC 60947-3): DC-20B

max. voltage between the fuses: 1000 V

visible information required: Do not switch under load.

cond. short-circuit current with fuses (AC): 50 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.)

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: 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

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

Reference

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

Accessories



33736

box terminal

size 1-3

for: Cu / Al 120 - 300 mm²



33733

terminal compartment cover

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

size 1- 3



33738

CrossLink® terminal clamp

for busbar systems with CrossLink® touch-safe protection

size 1 - 3

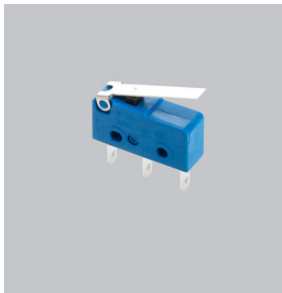


33740

terminal clamp

for busbar systems without system covers

size 1 - 3



33156

pilot switch

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



33758

lateral bearing strip

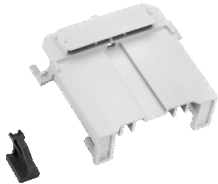
for front covers

size 00 - 3



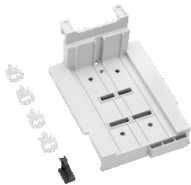
33761

rear touch-safe protection cover
rear protection for Phase L1



33768

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



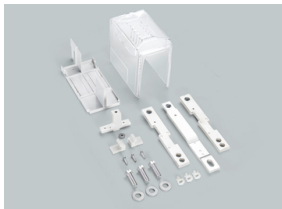
33769

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



33735

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



33776

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

NEW



37212

current transformer 200 A / 5 A
2.5 VA / class 1

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

NEW

**37213**

current transformer 250 A / 5 A

2.5 VA / class 1

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

NEW

**37214**

current transformer 400 A / 5 A

2.5 VA / class 1

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

NEW

**37215**

current transformer 500 A / 5 A

2.5 VA / class 1

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

NEW

**37216**

current transformer 600 A / 5 A

2.5 VA / class 1

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

NEW

**37219**

current transformer 200 A / 5 A

1.5 VA / class 0.5

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

NEW

**37220**

current transformer 250 A / 5 A

2.5 VA / class 0.5

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

NEW

**37221**

current transformer 400 A / 5 A

2.5 VA / class 0.5

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

NEW

**37222**

current transformer 500 A / 5 A

2.5 VA / class 0.5

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

NEW

**37223**

current transformer 600 A / 5 A

2.5 VA / class 0.5

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

NEW

**33762**

universal current transformer module

for mounting in the connection compartment

size 1 - 3

particular article

**37226**

current transformer 250 A / 5 A

1.5 VA / class 0.5s

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

NEW

**37227**

current transformer 400 A / 5 A

2.5 VA / class 0.5s

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

NEW

**37228**

current transformer 500 A / 5 A

2.5 VA / class 0.5s

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

NEW

**37229**

current transformer 600 A / 5 A

2.5 VA / class 0.5s

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

NEW

**37232**

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

1.5 VA / class 0.5

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

NEW

**37233**

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

2.5 VA / class 0.5

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

NEW

**37234**

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

2.5 VA / class 0.5

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

NEW

**37235**

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

2.5 VA / class 0.5

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

NEW

**37236**

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

1.5 VA / class 0.5s

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

NEW

**37237**

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

2.5 VA / class 0.5s

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

NEW

**37238**

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

2.5 VA / class 0.5s

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

NEW