

double in-line fuse disconnecter 1250 A (33731)



The picture may show a similar product.

Description

Part No.: **33731** 000A

QUADRON®185Power

double in-line fuse disconnecter 1250 A

3-pole switchable

screw M12, incl. terminal compartment cover

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 4021267337315

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

type number: QU185-3/2x

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): 1250 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 (IEC 60947-3): AC-20B (690 V)

cond. short-circuit current with fuses (AC): 50 kA / 690 V (500 A)
50 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 243.2 W.

(The power dissipation at full load would be 380.0 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: 800 V visible information required: Do not switch under load.
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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

version: connection bottom

ampacity with fuses NH3 gG 500 V AC 630 A:

- 1250 A bolt connection (it's recommended to wear gloves when operating)
- 1190 A bolt connection
- 1125 A using terminal clamp 33738 or 33740

ampacity with solid links (knives) 1000 A:

- 1550 A bolt connection
- 1350 A using terminal clamp 33738 or 33740

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, degree of protection near terminal depends on installation

Mechanical data

W x H x D: 200 x 890 x 190

weight: 1556.0 kg/100

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

CT can be integrated in the device: ja
front degree of protection: IP20
degree of protection when open: IP10

Terminal points

screw connection

M12

screw drive: SW18

Md min.: 24.0 Nm

Md max.: 36.0 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.

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

covers



33758 000A

lateral bearing strip
for front covers
size 00 - 3

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

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



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



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

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



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 VA / class 0.5

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

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 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 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/1000155834>