

in-line fuse switch-disconnector 160 A (33520000A)



The picture may show a similar product.

Description

Part No.: **33520 000A**

QUADRON 185Power

in-line fuse switch-disconnector 160 A

Size 00, 3-pole switchable

high version with V-clamp 95 mm²

terminal body Al, pressure piece brass

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

phase-out product

date of phase-out: 31.03.2026

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 52

pack size 1
EAN 4021267335205

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: QU185-00 V-Clamp
EAC Type: NH

Technical data

for fuse links size:	NH 000, NH 00
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	12 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): 160 A
rated voltage (IEC) AC: 800 V

rated isolation voltage U_i AC: 1000 V

rated surge voltage U_{imp} : 8 kV

Utilisation category AC (IEC 60947-3): AC-22B (800 V / 63 A)

AC-21B (690 V / 125 A)

AC-22B (500 V / 160 A)

AC-23B (400 V / 160 A)

cond. short-circuit current with fuses (AC): 30 kA / 800 V (63 A)

100 kA / 690 V

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 17.9 W.

(The power dissipation at full load would be 28.0 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: 1000V

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

Degree of protection IP20 at front, degree of protection near terminal depends on installation

Mechanical data

W x H x D: 50 x 670 x 189
weight: 261.5 kg/100
poles: 3-pole
for busbars: 30, 40, 60, 80, 100, 120 x 10

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

Terminal points

v-clamp

min. cross-section:	16 mm ²
max. cross-section:	120 mm ²
re:	16 - 95 mm ²
rm:	16 - 95 mm ²
se:	25 - 120 mm ²
sm:	25 - 120 mm ²

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.

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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.

permitted power dissipation of the fuse-link: 12 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



33739 000A

terminal clamp

for busbar systems without system covers

size 00

for: QU185-00...



33765 000A

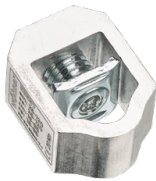
CrossLink® terminal clamp IP20

for busbar systems with touch-safe protection

size 00

for: QU185-00...

connection accessories



33556 000A

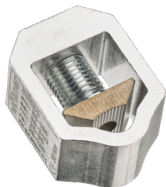
V-clamp

terminal body alu, pressure piece brass

size 00

für Cu / Al 16 - 120 mm²

stock sale



33563 000B

connection kit

with 1 V-clamp, without cover

terminal body alu, pressure piece brass

for Cu / Al 16 - 120 mm²

e.g. for drilled PE or N bars

covers



33758 000A

lateral bearing strip

for front covers

size 00 - 3



33732 000A

terminal compartment cover, high version, connection bottom
for 33700, 33715, 33720, 33770, 33771, 33772 and QUADRON®185Power
Speed size 00
size 00



33113 000

lateral cover support
for front covers
size 00 - 3

further accessories



33156 000

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

measuring transformers 333mV



33290 000A

measuring transformers 150 A / 333 mV
size CT3
2.5 VA / class 0.5



33305 000A

measuring transformers 100 A / 333 mV
size CT3
2,5 VA / class 1



33303 000A

measuring transformers 100 A / 333 mV
size CT3
class 0.5



33291 000A

measuring transformers 150 A / 333 mV

size CT3

2.5 VA / class 1

current transformers class 1



33741 000

current transformer 80 A / 5 A

size CT3

2,5 VA / class 1

size 00



33742 000

current transformer 150 A / 5 A

size CT3

2.5 VA / class 1

size 00

current transformers class 0.5



33749 000

current transformer 100 A / 5 A

size CT3

1.5 VA / class 0.5

size 00



33751 000

current transformer 150 A / 5 A

size CT3

2.5 VA / class 0.5

size 00



33750 000

current transformer 100 A / 5 A, with decl. of conformity

size CT3

1.5 VA / class 0.5

size 00

**33752 000**

current transformer 150 A / 5 A, with decl. of conformity
size CT3
2.5 VA / class 0.5
size 00

<https://pim.woehner.de/EN/INT/1000293664>