

NH in-line switch-disconnector-fuse size 3 (33634)



The picture may show a similar product.

Description

Part No.: **33634 000A**

QUADRON®185Power Speed

NH in-line switch-disconnector-fuse size 3

Size NH 3

connection bottom M12

double-breaking

operator independent switching (snap-action mechanism)

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

accessory required for busbar mounting

System

185Power

Advantages of the product

When the cover is open, all touchable parts are voltage-free

Operator-independent switching

Lockable cover with double-bit lock

Mixed installation with all components 185Power

Can be sealed when switched on or off

Can be locked with up to 3 padlocks when switched off

Product group 18

Subgroup 55

pack size 1

EAN 4021267336349

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: QS185-3

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 voltage (IEC) DC: 800 V

rated isolation voltage U_i AC: 1000 V

rated isolation voltage U_i DC: 1000 V

rated surge voltage U_{imp} : 12 kV

Utilisation category AC (IEC 60947-3): AC-22B (800 V / 315 A)
AC-23B (690 V / 500 A)
AC-23B (500 V / 630 A)

cond. short-circuit current with fuses (AC): 50 kA / 800 V (315 A)
100 kA / 690 V
120 kA / 500 V

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 160.0 W.

(The power dissipation at full load would be 250.0 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 | -25°C |
| max. permitted operation temperature | 55°C |
| min. permitted temperature for transport and storage | -25°C |

The use of knife links is not permitted. The rated values specified in this product description apply exclusively to the use of fuses.

distance to grounded parts = 0mm at 120kA

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 IP30 at front, degree of protection near terminal depends on installation

Mechanical data

W x H x D: 100 x 781 x 274

weight: 1421.0 kg/100

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: | IP30 |

Type of fastening:

can be screwed onto drilled busbar, undrilled drilling with terminal clamp

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.

Montageset erforderlich, siehe Zubehör

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



33650 000A

mounting set with 3 bolts
for busbar connection on drilled busbars, including positioner
size 1 - 3



33651 000A

mounting set with 3 terminal clamps
for drill-less mounting on the busbar system, with and without
CrossLink® touch-safe protection covers
size 1 - 3



33652 000A

insulated screw extension for terminal clamp
for safe live working with standard tools
size 1 - 3

connection accessories



33648 000A

connection set box terminal 70 mm² - 240 mm²
including rear cover
size 1 - 3



33649 000A

connection set box terminal 120 mm² - 300 mm²
including rear cover
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



33113 000

lateral cover support
for front covers
size 00 - 3



33647 000A

rear cover for terminal compartment cover
size 1 - 3

further accessories



33642 000A

pilot switch
changeover 250 V AC / 5 A, 30 V DC / 4 A
QUADRON®185Power Speed size 00, 1, 2, 3



33762 000A

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

measuring transformers 333mV



37280 000A

measuring transformer 500 A / 333 mV
Size CT1
class 1
NEW



37288 000A

measuring transformer 500 A / 333 mV

Size CT1

class 0.5s

NEW



37284 000A

measuring transformer 500 A / 333 mV

Size CT1

class 0.5

NEW

current transformers class 1



37201 000A

current transformer 250 A / 5 A

Size CT1

1.5 VA / class 1



37202 000A

current transformer 400 A / 5 A

Size CT1

1.5 VA / class 1



37203 000A

current transformer 500 A / 5 A

Size CT1

1.5 VA / class 1

current transformers class 0.5



37204 000A

current transformer 200 A / 5 A

Size CT1

1.5 VA / class 0.5



37205 000A

current transformer 250 A / 5 A

Size CT1

1.5 VA / class 0.5



37206 000A

current transformer 400 A / 5 A

Size CT1

1.5 VA / class 0.5



37207 000A

current transformer 500 A / 5 A

Size CT1

1.5 VA / class 0.5



37208 000A

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

Size CT1

1.5 VA / class 0.5



37209 000A

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

Size CT1

1.5 VA / class 0.5



37210 000A

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

Size CT1

1.5 VA / class 0.5



37211 000A

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

Size CT1

1.5 VA / class 0.5

<https://pim.woehner.de/EN/EN/1000177217>