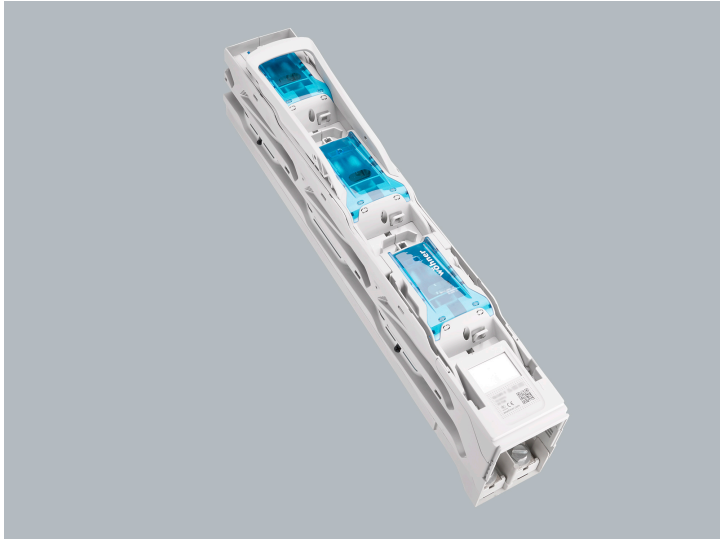


in-line fuse switch-disconnector 630 A (33533)



The picture may show a similar product.

Description

Part No.: **33533**000A

QUADRON® 185Power

in-line fuse switch-disconnector 630 A

size 3, 3-pole switchable

V-clamp 150 mm²

terminal body alu, pressure piece brass

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

coming soon

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 4021267335335

ECLASS 6.1 27142108
ECLASS 7.1 27142108
ETIM 4.0 EC001046
ETIM 5.0 EC001046

Approvals

Standards

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

Approvals

IEC (CB) , CCC



type number: QU185-3 V-Clamp

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): 500 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): 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.

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
degree of protection when open: IP10

Type of fastening:
can be screwed onto drilled busbar, diameter 13mm, undrilled mounting with terminal clamp
connection: V-Clamp

Terminal points

v-clamp

min. cross-section:	50 mm ²
max. cross-section:	300 mm ²
re:	70 - 150 mm ²
rm:	50 - 120 mm ²
se:	70 - 300 mm ²
sm:	70 - 240 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)

Application notes

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Reference

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

permitted power 48 W

dissipation of the fuse-link:

requirements for contact Fuse links with silver-plated contact pieces recommended.

parts: For fuse links with nickel-plated contact pieces, a reduction factor of 0.8 is to be observed.

<https://pim.woehner.de/EN/INT/1000293196>