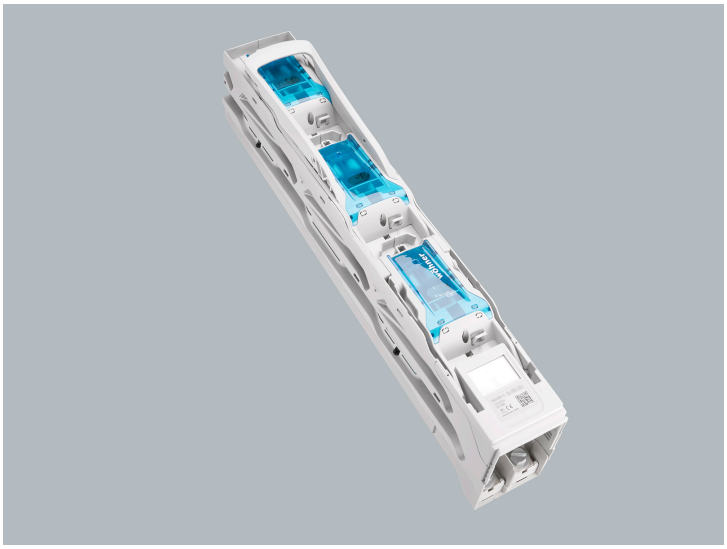
wöhner

in-line fuse switch-disconnector 250 A (33568)



The picture may show a similar product.

Description

Part No.: **33568**000A
QUADRON® 185Power
in-line fuse switch-disconnector 250 A
size 1, 3-pole switchable
V-clamp 150 mm²
terminal body alu, pressure piece brass, XL variant
for busbars 30, 40, 60, 80, 100, 120 x 10
coming soon

System
185Power

Advantages of the product
Schienenträger überbaubar (in Systemen mit und ohne Crosslink Berührungsschutzabdeckungen)
Self-closing inspection holes are available in the cover.
Cover can be locked when closed.

Product group 12
Subgroup 53

pack size	1
EAN	4021267335687

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: QU185-1 V-Clamp

CCC certificate: 2015010302769224

Technical data

for fuse links size:	NH 1
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	23 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): 250 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 / 160 A)
	AC-22B (690 V / 250 A)
	AC-21B (690 V / 250 A)
	AC-22B (500 V / 250 A)
	AC-23B (400 V / 250 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):	80 kA / 800 V (160 A)
	100 kA / 690 V (250 A)
	120 kA / 500 V (250 A)
approved wth fuse links of operation class:	gG

power dissipation of the article:
The power dissipation at a typical load of 80 % results to 15.4 W.
(The power dissipation at full load would be 24.0 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 foulty 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:	480.0 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:
screw connection M12

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.

Reference	The terminal compartment cover 33733 is always needed for the connection at top and when using cable lugs.
permitted power dissipation of the fuse-link:	23 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.

https://pim.woehner.de/EN/EN/1000292753