wöhner

in-line fuse switch-disconnector 400 A (33702000A)



The picture may show a similar product.

Description

Part No.: **33702** 000A
QUADRON 185Power
in-line fuse switch-disconnector 400 A
size 2, 3-pole switchable
screw M12
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 54

pack size 1
EAN 4021267337025

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: QU185-2
EAC Type: NH

CCC certificate: 2015010302769224

Technical data

for fuse links size:	NH 2
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	34 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): 400 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-23B 400A/400V AC-22B 400A/500V AC-22B 400A/690V AC-21B 400A/690V

cond. short-circuit current with fuses (AC):	65 kA / 800 V (200A) 100 kA / 690 V (400 A) 120 kA / 400 V (400 A)
approved wth fuse links of operation class:	gG
short-circuit strength when protected by fuses:	120 kA

power dissipation of the article:
The power dissipation at a typical load of 80 % results to 38.4 W.
(The power dissipation at full load would be 60.0 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

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

Terminal points

screw connection
M12

screw drive:	SW18
Md max.:	30.0 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.
The terminal compartment cover 33733 is always needed for the connection at top and when using cable lugs.
When using current transformers and instrument transformers, the maximum permissible operating voltages of the current transformers and instrument transformers must be taken into account.

permitted power dissipation of the fuse-link:	34 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
for: QU185-1..., QU185-2..., QU185-3..., CRL185-..., EQ185-A320-...



33740 000A
terminal clamp
for busbar systems without protection modules
size 1 - 3
for: QU185-1..., QU185-2..., QU185-3..., CRL185-..., EQ185-A320-...

connection accessories



33735 000A
box terminal
for Cu / Al 70 - 240 mm²
size 1 - 3
for: Cu / Al 70 - 240 mm²



33736 000A
box terminal
for Cu / Al 120 - 300 mm²
size 1-3

covers



33733 000A
terminal compartment cover
universal for NH-rails size 1 - 3 and connection rail 800 A
size 1- 3

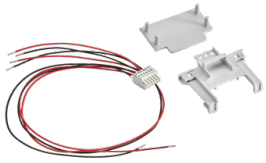


33758 000A
lateral bearing strip
for front covers
size 00 - 3



33761 000A
rear touch-safe protection cover
rear protection for Phase L1

connection cable



37902 000A
Connection kit
spring connector strip with 6 x 0.5 mm² leads
for internal wiring of 333 mV measuring transformers
NEW

☐ **37903** 000A
pin connector
for independent assembly of RJ12 cables
NEW

☐ **37904** 000A
pin connector with RJ12 lead
3 m
to connect prewired in-line fuse switch-disconnectors with the current extension module 37100
NEW

☐ **37905** 000A
pin connector with RJ12 lead
1.5 m
to connect prewired in-line fuse switch-disconnectors with the current extension module 37100
NEW

☐ **37906** 000A
pin connector with RJ12 lead
0.6 m
to connect prewired in-line fuse switch-disconnectors with the current

extension module 37100
NEW

☐ **37907** 000A
pin connector with RJ12 lead
0.3 m
to connect prewired in-line fuse switch-disconnectors with the current extension module 37100
NEW

further accessories



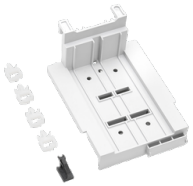
33156 000
pilot switch
changeover 250 V AC / 5 A, 30 V DC / 4 A



33762 000A
universal current transformer module
for mounting in the connection compartment
size 1 - 3



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



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



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



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



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



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

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

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



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
stock sale



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

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



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

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