wöhner

in-line fuse switch-disconnector 160 A (33700000A)



The picture may show a similar product.

Description

Part No.: **33700** 000A
QUADRON 185Power
in-line fuse switch-disconnector 160 A
Size 00, 3-pole switchable
high version with screw M8
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 52

pack size 1
EAN 4021267337001

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
EAC Type: NH

CCC certificate: 2015010302769751

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 (125 A) 100 kA / 500V (160 A)
approved wth 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.

max. permitted voltage (IEC) DC: 1000 V

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
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

screw connection
M8
Md min.: 8.0 Nm
Md max.: 10.0 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.
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:	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...



33728 000A
double adapter
for 2 devices size NH 00
for busbars: 30, 40, 60, 80, 100, 120 x 10

connection accessories



33734 000A
wedge clamp terminal
for Cu 10 - 95 mm²
size 00
for: Cu 10 - 95 mm²

covers



33732 000A
terminal compartment cover, high version, connection bottom
for 33700, 33715, 33720, 33770, 33771, 33772 and QUADRON 185Power Speed size 00
size 00



33726 000A
terminal compartment cover, high version, connection top
for 33700, 33715, 33720, 33770, 33771, 33772
size 00



33113 000
lateral cover support
for front covers
size 00 - 3



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

connection cable

☐ **37904** 000A
pin connector with RJ12 lead
3 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

☐ **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

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

☐ **37901** 000A
Connection kit
spring connector strip with 6 x 0.5 mm² leads
for internal wiring of 333 mV measuring transformers.
NEW

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



33744 000
current transformer 150 A / 5 A
size CT5
1.5 VA / class 1
size 1 - 3

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/EN/1000156473