

NH fuse switch-disconnector size 00, 160 A (33394)



The picture may show a similar product.

Description

Part No.: **33394 000**

QUADRON® 60Classic

NH fuse switch-disconnector size 00, 160 A

screw M8

with electronic fuse monitoring

connection top or bottom

for busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

with CrossLink®Technology

System

60Classic

Advantages of the product

CrossLink® adapter technology

Fast and safe conversion of the connection for top or bottom; the parts under voltage remain shock protected

Simple and safe clicking into place and making contact

Safe connection through shock protection split into two

Busbar supports for flat busbars can be mounted above each other

Product group 09
Subgroup 25

pack size 1
EAN 4021267333942

ETIM 5.0 EC001040
ETIM 8.0 EC001040
ETIM 10.0 EC001040

Approvals

Standards

IEC 60947-1:2020
IEC 60947-3:2020 AC ratings only
UL 4248-1

Approvals

IEC (CB) , UL , VDE , CCC , DNV GL



for UL feeder circuits >250V

type number: QCB-NH00

UL file: E230163, UL category (for USA): IZLT2 <https://www.ul.com>
CCC certificate: 2010010302403934

Technical data

for fuse links size:	NH 000, NH 00
fuse links acc. to standard:	IEC / HD 60269-2
live grip lugs required:	Yes
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: 690 V

rated voltage (IEC) DC: 250 V

rated isolation voltage U_i AC: 690 V

rated isolation voltage U_i DC: 250 V

rated surge voltage U_{imp} : 6 kV

Utilisation category AC (IEC 60947-3): AC-22B 500V 160A

AC-22B 690V 125A

AC-23B 500V 125A

AC-23B 400V 160A

cond. short-circuit current with fuses (AC): 50 kA / 690 V

80 kA / 500 V (160 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 11.3 W.

(The power dissipation at full load would be 17.7 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) AC: 725 V

max. permitted voltage (IEC) DC: 262 V

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

for fuse links IEC 60269-2 / DIN VDE 0636-2 size 00 up to 12W power dissipation, with grip lugs under voltage

Entsprechend den angegebenen AC- und DC- Schalteigenschaften und unter Berücksichtigung der Überlastbedingungen, sind gewisse Abstände zu geerdeten Metallteilen einzuhalten. Nähere Informationen auf Anfrage.

Bei Verwendung als Trennschalter ist die Einhaltung der Abstände nicht erforderlich.

Bei Dauerbetrieb von mehreren Geräten nebeneinander ist der Bemessungsbelastungsfaktor nach VDE 0660 Teil 500 / EN60439-1, Tabelle 1 zu beachten.

Systemkomponente: frontseitig Schutzart IP30 nach DIN EN 60529, im Anschlussbereich vom Einbau abhängig

Adaptermodul: frontseitig Schutzart IP20 nach DIN EN 60529 (fingersicher)

Elektronische Sicherungsüberwachung:

- Zur Erkennung von Sicherungsausfällen mit Bemessungsspannung AC 100V bis AC 690V
- Keine Hilfsenergie erforderlich; Versorgung über Netzspannung
- Hilfskontakte potentialfrei
- LED- Blinkmelder (rot/grün)
- Testtaster
- Weitere Informationen unter Downloads / Datenblatt

Details UL

Standards

UL 4248-1

for UL feeder circuits >250V

Electrical data UL

rated current (UL): 160 A

rated voltage (UL) AC: 600 V

rated frequency (UL): 50 / 60 Hz

SCCR: 100 kA

Mechanical data

W x H x D: 106 x 200 x 137
weight: 117.0 kg/100
poles: 3-pole
for busbars: 12, 15, 20, 25, 30 x 5, 10 and section busbars

front degree of protection: IP30

Busbar connector: externally tensioned contacting, convenient click mechanism, simple conversion of the combination bases from 5 to 10mm-thick busbars

Terminal points

screw connection

M8

screw drive: SW13

Md min.: 8.0 Nm

Md max.: 10.0 Nm

Not suitable for aluminium cables !

Material properties

halogen-free: No

Application notes

Not suitable for aluminium cables !

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.

live grip lugs required:

Yes

permitted power dissipation of the fuse-link:

12 W

requirements for contact parts:

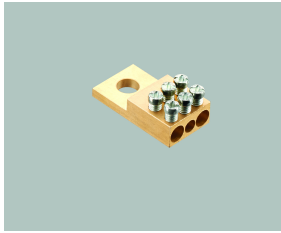
Fuse links with silver-plated contact pieces recommended.

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

for UL feeder circuits >250V

Accessories

connection accessories



01182 000
tunnel terminal for screw connection M8
1x 2.5 - 16 mm² + 2x 2.5 - 25 mm²
NH 00



33224 000
prism terminal, single, for Cu cables
16 - 70 mm²
NH 00



79811 000
cover for cable lugs, top / bottom attachable
NH 00
for: 33200, 33208, 33329, 33394, 33398, 33420

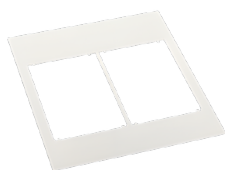
covers



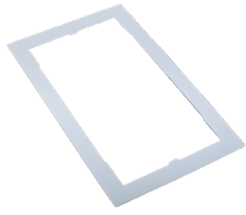
33315 000
trim cover, 2 parts
for NH-LTS size 00
size 00



33317 000
trim strip, attachable at side
for NH-LTS size 00
size 00



78105 000
trim frame, double
232 x 210, not for 33221, 33222
size 00



78893 000

trim frame, single
130 x 210, not for 33221, 33222
size 00

further accessories



03849 000

lid interlock
for sealing wire
Size 00



33156 000

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



32594 000

CrossLink[®] 60Classic
spare part busbar adapter 160 A
busbar adapter base

<https://pim.woehner.de/EN/EN/1000047063>