wöhner

NH fuse switch-disconnector size 00, 160 A (33398)

The picture may show a similar product.

Description

Part No.: **33398** 000
QUADRON® 60Classic
NH fuse switch-disconnector size 00, 160 A
screw M8
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 2
Busbar supports for flat busbars can be mounted above each other

Product group 09
Subgroup 24

pack size 1
EAN 4021267333980

ETIM 5.0 EC001040
ETIM 8.0 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
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: 440 V

rated isolation voltage U_i AC: 800 V
rated isolation voltage U_i DC: 500 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 wth fuse links of operation class: gG
rated short-time withstand current I_{cw} (1.0 s) max.: 5 kA

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) DC: 800 V

further utilisation category DC (IEC 60947-3):	DC specifications: 2 current paths (L1,L3) in series DC-21B (220V) DC-21B (440V/100A) DC-22B (220V/63A) DC-20B (1000V) at pollution degree 2 visible information required if used at more than 440V DC: 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

In accordance with the specified AC and DC switching properties and in consideration of the overload conditions, certain distances to earthed metal parts are to be adhered to. detailed information upon inquiry

When several devices are used side-by-side in continuous operation, the rated load factor specified in IEC / EN 61439-1, Table 1, must be observed.
System component: degree of protection IP30 at front as per DIN EN 60529, degree of protection near terminal depends on installation
adapter module: front side degree of protection IP20 as per DIN EN 60529 (finger-safe)

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 97
weight: 103.0 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 !
based on the AC and DC switching capacities and considering the overload conditions as given in the above mentioned standards the following distances to earthed metal parts have to be respected:

required spacing top:	30 mm
required spacing at sides:	15 mm

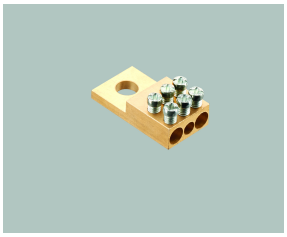
A fuse-combination unit acc. to IEC 60947-3 can only be operated at a higher voltage than its rated voltage, if it is used as a fuse-disconnector without breaking capacity, up to its max. rated insulation voltage and labelled as such.

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

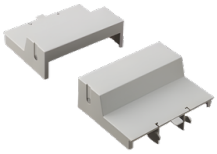


01182 000
tunnel terminal for screw connection M8
1x 2.5 - 16 mm² + 2x 2.5 - 25 mm²
NH 00

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

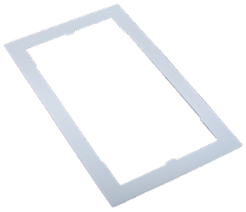
covers



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/1000047021