wöhner
ALLES MIT SPANNUNG

NH fuse switch-disconnector size 00, 160 A, busbar mounted, connection top / bottom (33198)

Description

Article

Part No.: 33198

QUADRON® 60Classic
NH fuse switch-disconnector size 00, 160 A, busbar mounted, connection top / bottom
box terminal
with CrossLink® Technology
for busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

System

60Classic

Product group 09
Subgroup 24

pack size 1
EAN 4021267331986

Wöhner GmbH & Co. KG, Mönchrödener Straße 10, 96472 Rödental, Germany, Tel. +49 9563 751-0

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

catalog page 2019 : 3.23

eCl@ss 6.1 27142108
eCl@ss 7.1 27142108
ETIM 4.0 EC001040
ETIM 5.0 EC001040

Approvals

Standards

IEC 60947-1:2007 + A1:2010 + A2:2014
IEC 60947-3:2008 + A1:2012 + A2:2015
GB/T 14048.3

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 http://www.ul.com
CCC certificate: 2010010302403934

Product data

for fuse-links size:	NH 000, NH 00
fuse-link acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	12 W

Details IEC

Standards

IEC 60947-1:2007 + A1:2010 + A2:2014
IEC 60947-3:2008 + A1:2012 + A2:2015
GB/T 14048.3

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-21B (690 V)
AC-22B (500 V)

cond. short-circuit current with fuses (AC): 80 kA / 690 V (125 A)
approved wth fuse links of operation class: gG

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: 100 mm
required spacing at sides: 50 mm

power dissipation of the article:
The power dissipation at a typical load of 80% of the rated current results to 11.3 W.
(The power dissipation for operation with rated current 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 AC (IEC 60947-3):	AC-20B (1000 V) at pollution degree 2 visible information required if used at more than 690V AC: do not switch under load
further utilisation category DC (IEC 60947-3):	2 contacts (L1,L3) in line DC-21B (220 V) DC-21B (440 V / 100 A) DC-22B (220 V / 63 A) DC-20B (1000 V) at pollution degree 2 visible information required if used at more than 440 V 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.

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

Electrical data UL

rated current (UL):	160 A
rated voltage (UL) AC:	600 V

SCCR: 100 kA

Mechanical data

W x H x D: 106 x 200 x 97
weight: 100 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

Box terminal:
1.5 -70mm² flexible cables, directly or with wire-end ferrules*, depending on contour of the insulated lead 95mm² could be connectable
1.5 -10mm² solid round
16 -70mm² stranded round
2x10mm², 2x16mm² and 2x25mm² flexible with wire-end ferrules, identical cables placed side by side, crimping square
2x 10-35mm² flexible identical cables placed side by side

lam. Cu. 9-13 mm wide
Terminal space 13mm x 13mm

(*flexible cables of maximum cross-section may not fit when using wire-end ferrule)

for applications according UL :
Cu cables only, stranded/solid according UL 486E
AWG 12 - AWG 2/0
tightening torque 5,0 - 6,0 Nm / 44 - 53 lb.in.

Material properties

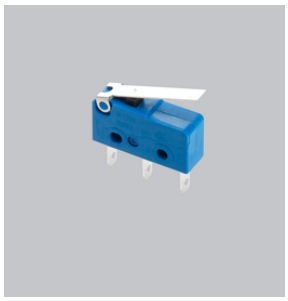
Main body:	temperature stability 125°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 600, halogen-free
Shock protection cover:	temperature stability 125°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 200
Handle:	temperature stability 125°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 200
Adapter plate:	temperature stability 125°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 600, halogen-free
Contacts:	spring-loaded copper contacts, silver plated

Version

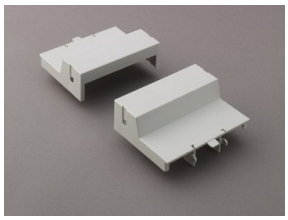
Variant with M8 connection screws 33398
Variant with electronic fuse monitoring 33324
Variant with electromechanical fuse monitoring 33206

Accessories

03849
lid interlock
for sealing wire
Size 00

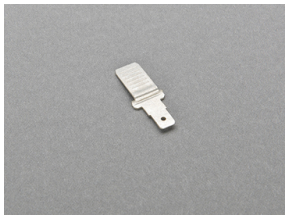


33156
pilot switch
changeover 250 V AC / 5 A, 30 V DC / 4 A

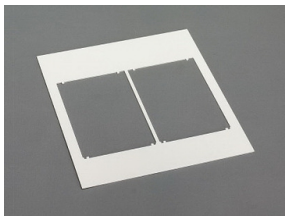


33315
trim cover, 2 parts
for NH-LTS size 00
size 00

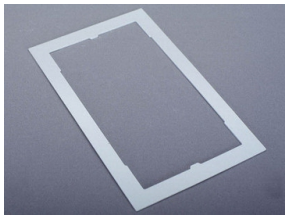
33317
trim strip, attachable at side
for NH-LTS size 00
size 00



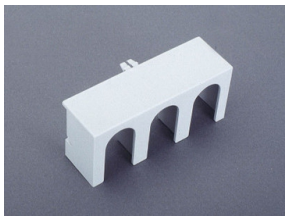
33915
connection for auxiliary line, for box terminal
flat connector EN 61210 6.3 x 0.8
QCB-NH00, QCS-NH00, QCS-160



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



78893
trim frame, single
130 x 210, not for 33221, 33222
size 00



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