NH fuse switch-disconnector size 00, 160 A (33198)

The picture may show a similar product.

Description

Part No.: 33198

QUADRON® 60Classic
NH fuse switch-disconnector size 00, 160 A
box terminal
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
If flat busbars are used the device can be mounted covering the busbar support

Product group 09
Subgroup 24

pack size 1
EAN 4021267331986

catalog page 2020 : 3.23

ECLASS 6.1 27142108
ECLASS 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
UL 4248-1

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

for UL feeder circuits >250V

type number: QCB-NH00
EAC Type: NH

UL file: E230163, UL category (for USA): IZLT2 http://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 60947-1:2007 + A1:2010 + A2:2014
IEC 60947-3:2008 + A1:2012 + A2:2015

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

max. permitted voltage (IEC) DC 800 V

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 % results to 11.3 W.
(The power dissipation at full load would be 17.7 W.)

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

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: 100.0 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

cage clamp connection

screw drive:	S4
min. cross-section:	1.5 mm^2
max. cross-section:	70 mm^2
Md min.:	5.0 Nm
Md max.:	6.0 Nm

Not suitable for aluminium cables !

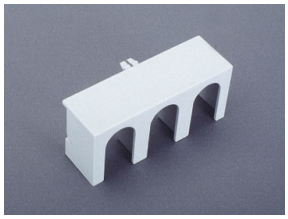
Box terminal:
1.5 - 70 mm^2 flexible cables, directly or with wire-end ferrules*, depending on contour of the lead 95 mm^2 could be connectable
1.5 - 10 mm^2 solid round
16 - 70 mm^2 stranded round
2x 10 mm^2, 2x 16 mm^2 and 2x 25 mm^2 flexible with wire-end ferrules, identical cables placed side by side, crimping square
2x 10 - 35 mm^2 flexible identical cables placed side by side

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

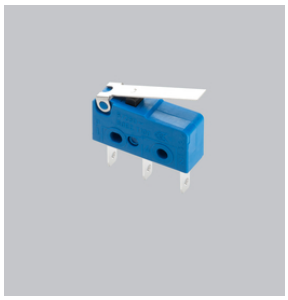
(*flexible cables of maximum cross-section may not fit when using wire-end ferrule)

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.

Accessories

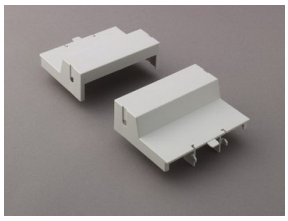


79811
cover for cable lugs, top / bottom attachable
NH 00
for: 33200, 33208, 33329, 33394, 33398, 33420



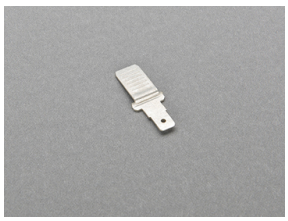
33156
pilot switch
changeover 250 V AC / 5 A, 30 V DC / 4 A

03849
lid interlock
for sealing wire
Size 00

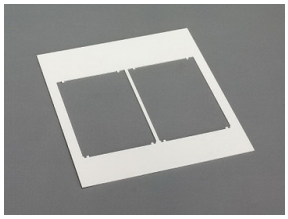


33315
trim cover, 2 parts
for NH-LTS size 00
size 00

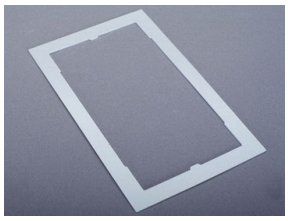
33317
trim strip, attachable at side
for NH-LTS size 00
size 00



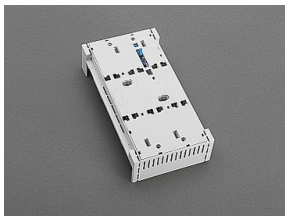
33915
connection for auxiliary line, for box terminal
flat connector EN 61210 6.3 x 0.8
QCB-NH00, QCS-NH00, QCS-160



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



32594
CrossLink® 60Classic
spare part busbar adapter 160 A
busbar adapter base