

NH fuse switch-disconnector size 1, 250 A, busbar mounted, connection top / bottom (33601)



Description

Part No.: 33601

QUADRON® 60Classic

NH fuse switch-disconnector size 1, 250 A, busbar mounted, connection top / bottom
screw M10

with CrossLink® Technology

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

System

60Classic

Product group 09

Subgroup 27

pack size 1

EAN 4021267336011

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

Self-closing test holes are available in the cover.

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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-NH1

UL file: E230163, UL category (for USA): IZLT2 <http://www.ul.com>

CCC certificate: 2012010302563561

Product data

for fuse-links size: NH 1

fuse-link acc. to standard: IEC / HD 60269-2

permitted power dissipation of the fuse-link: 23 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): 250 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 (400V)
AC-23B (400V/160A)
AC-21B (690V)
AC-20B (1000V) at pollution degree 2

visible information required if used at more than 690V AC: do not switch under load

Utilisation category DC (IEC 60947-3): DC specifications: 2 current paths (L1,L3) in series
DC-20B (440 V)
DC-20B (1000V) at pollution degree 2

visible information required if used at more than 440V DC: do not switch under load

cond. short-circuit current with fuses (AC): 80 kA / 690 V

approved with fuse links of operation class: gG

rated short-time withstand current I_{cw} (1.0 s) max.: 8.1 kA

power dissipation of the article:

The power dissipation at a typical load of 80% of the rated current results to 16.6 W.

(The power dissipation for operation with rated current would be 26 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

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.

rated peak withstand current I_{pk} max.: 13.7 kA

Entsprechend den angegeben 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.

Degree of protection IP30 at front, degree of protection near terminal depends on installation

Details UL

Standards

UL 4248-1

for UL feeder circuits >250V

Electrical data UL

rated current (UL): 250 A

rated voltage (UL) AC: 600 V

SCCR: 100 kA

Mechanical data

W x H x D: 184 x 243 x 129

weight: 266 kg/100

poles: 3-pole

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

front degree of protection: IP30

Terminal points

screw M10

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, halogen-free
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
Connecting screws:	screw M10, galvanized, chromized

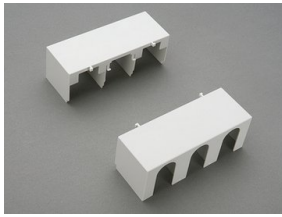
Version

Variant with box terminals: 33 600

Variant with electronic fuse monitoring: 33 325

Variant with electromechanical fuse monitoring: 33 160

Accessories



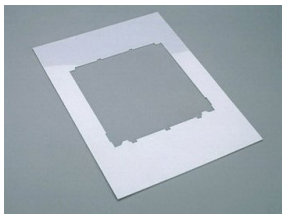
33142

cover for cable lugs, top / bottom attachable
for QCB-NH1, QCS-NH1, QCS-320
QCB-NH1, QCS-NH1, QCS-320
for: QCB-NH1, QCS-NH1, QCS-320



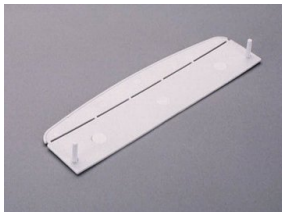
33145

prism terminal, double, for Cu cables
2x 35 - 70 mm²
QCB-NH1, QCS-NH1, QCS-320



33152

trim frame, single
215 x 330
size 1



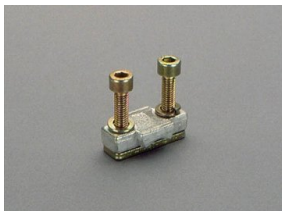
33155

barrier for handle for NH fuse-switch disconnecter size 1-3
for closing of handle area from rear



33157

lid interlock
for sealing wire or 3 padlocks with shackle of 4 - 7 mm
Size 1 - 3



33163

clamp connector for Cu cables
70 - 150 mm²
QCB-NH1, QCS-NH1, LTS-F 250, LTS 400



33166

prism terminal, single, for Cu and Al cables

35 - 150 mm²

QCB-NH1, QCS-NH1, QCS-320

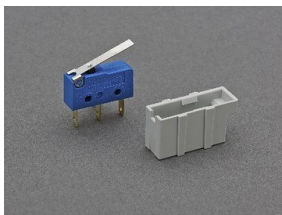


33909

box terminal for Cu cables

35 - 150 mm²

QCB-NH1, QCS-NH1, QCS-320

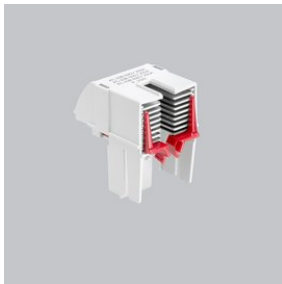


33917

pilot switch

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

QUADRON®60Classic, QUADRON®Panel size 1



33918

arcing chamber

retrofit package for higher utilisation category

for QCB-NH1