

NH fuse switch-disconnector size 1, 250 A, bus-mounting (33 601)



Description

Article

Part No.: 33 601

QUADRON® 60Classic

NH fuse switch-disconnector size 1, 250 A, bus-mounting
connection screw M10, outgoing terminal bottom/top

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

Approvals

IEC (CB), Germanischer Lloyd, VDE, CCC



Type number: QCB-NH1

CCC certificate: 2012010302563561

Product data

Electrical data

Rated current (IEC): 250 A

Rated voltage (IEC) AC: 690 V

Rated voltage (IEC) DC: 440 V

Utilisation category AC-22B (400V)
AC (IEC 60947-3) : 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 specifications: 2 current paths (L1,L3) in series
DC (IEC 60947-3) : 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

Power dissipation:

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.)

rated isolation voltage U_i (AC): 800 V

Rated surge voltage U_{imp} : 6 kV

max. permitted voltage (IEC) AC: 800 V

max. permitted voltage (IEC) DC: 800 V

rated peak withstand current I_{pk} : 13.7 kA

cond. rated short-circuit current with fuses: 80 kA / 690 V

approved with fuse links of characteristics: gG

rated short-time withstand current I_{cw} : 8,1kA / 1s

for fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 1 up to 23W power dissipation

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

Mechanical data

W x H x D: 184 x 243 x 129

Weight: 266 kg/100

Poles: 3-pole

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 200, 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 200, halogen-free
Contacts:	spring-loaded copper contacts, silver plated
Connecting screws:	screw M10, galvanized, chromized

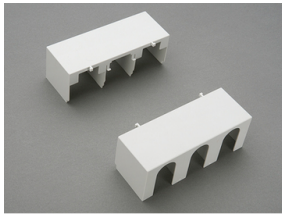
Version

Variant with box terminals: 33 600

Variant with electronic fuse monitoring: 33 325

Variant with electromechanical fuse monitoring: 33 160

Accessories



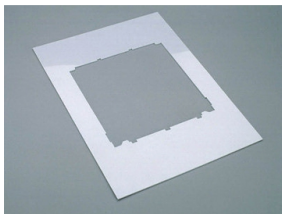
33 142

cover for cable lugs
for NH fuse switch disconnecter size 1



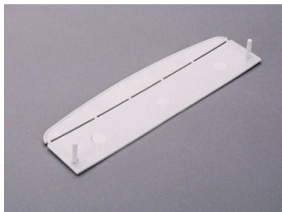
33 145

prism terminal, double
2x 35-70 mm²
size 1



33 152

Trim frame
215 x 330
size 1



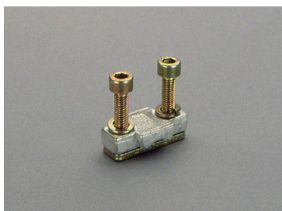
33 155

barrier for handle
for fuse switch-disconnector size 1-3



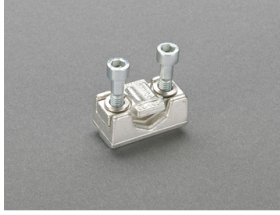
33 157

lid interlock
for sealing wire and padlocks
Size 1 - 3



33 163

clamp-type connection
70-150 mm²
size 1

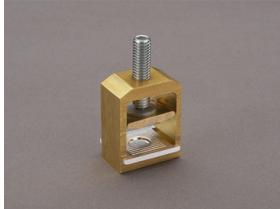


33 166

prism terminal for fuse switch-disconnector

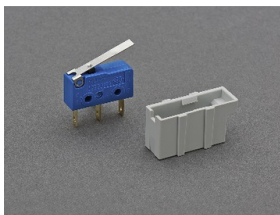
35-150mm², Cu and Al

size 1



33 909

box terminal

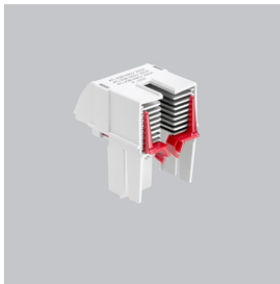


33 917

pilot switch for lid position

pilot switch: 1 reversing switch: 250V AC / 5A; 30V DC / 4A

Size 1



33 918

arcing chamber

QCB-NH1