

NH fuse switch-disconnector size 3, 630 A, bus-mounting (33 603)



Description

Article

Part No.: 33 603

QUADRON® 60Classic

NH fuse switch-disconnector size 3, 630 A, bus-mounting
connection screw M12, outgoing terminal bottom/top

System

60Classic

Product group 09

Subgroup 33

pack size 1

EAN 4021267336035

Advantages of the product

Disconnectors are equipped with arc chambers.

The shock protection is split into 2 for safe connection of the conductors.

Self-closing inspection holes are available in the cover.

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, KEMA, CCC



Type number: LTS-3

CCC certificate: 2004010302117263

Product data

Electrical data

Rated current (IEC): 630 A
Rated voltage (IEC) AC: 690 V
Rated voltage (IEC) DC: 440 V

Utilisation category AC-23B (400V)
AC (IEC 60947-3) : AC-22B (690V)
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-22B (440 V)
DC-21B (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 38.4 W.
(The power dissipation for operation with rated current would be 60 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} : 35.2 kA
cond. rated short-circuit current with fuses: 50 kA / 690V
approved with fuse links of characteristics: gG
rated short-time withstand current I_{cw} : 15,1kA / 1s

fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 3 up to 48W power dissipation

Entsprechend den angegebenen 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: 256 x 300 x 160
Weight: 756 kg/100
Poles: 3-pole
for busbars: 12, 15, 20, 25, 30 x 10

front degree of protection: IP30

Type of fastening: patented click mechanism

Terminal points

screw M12 :
Md 35 - 40 Nm

Accessories:

Clamp connection: Cu 150-300mm² s(r), f+AE; la. Cu 25x1-13; 6-8Nm torque
single wedge clamp terminal: Cu, Al* 150-300mm² s(r), s(s), f, f+AE; 6-8 Nm torque
double wedge clamp terminal: Cu 2x 150-185mm² s(r), s(s), f+AE; 6-8Nm torque

*Connections are not maintenance-free if aluminium conductors are used.

Material properties

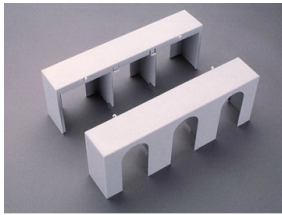
Main body:	temperature stability 125°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 200, halogen-free
Shock protection cover:	temperature stability 125°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 200, halogen-free
Handle:	temperature stability 125°C, self-extinguishing 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 M12, galvanized, chromized

Version

Variant with electronic fuse monitoring: 33 325

Variant with electromechanical fuse monitoring: 33 162

Accessories



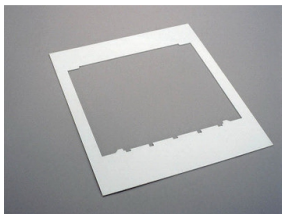
33 144

cover for cable lugs
for NH fuse switch disconnecter size 3



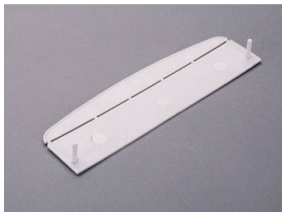
33 147

prism terminal, double
2x 150 mm²
size 3



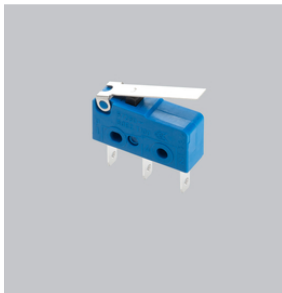
33 154

Trim frame
290 x 330
size 3



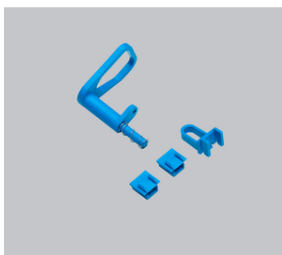
33 155

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



33 156

pilot switch for lid position
pilot switch: 250V AC / 5A; 30V DC / 4A
Size 000, 00, 2, 3



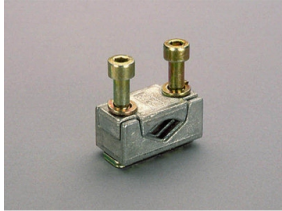
33 157

lid interlock
for sealing wire and padlocks
Size 1 - 3



33 165

clamp-type connection
150-300 mm²
size 3



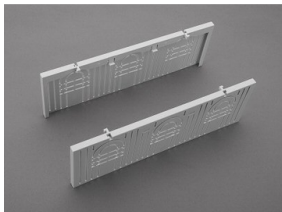
33 168

prism terminal for fuse switch-disconnector
150-300 mm², Cu and Al
size 3



33 385

prism terminal, double
2x 185 mm²
size 3



33 419

connection shroud
for NH fuse switch-disconnector size 3, maximum 600A



33 272

extension for 2 cable lugs
size 3