

NH fuse-switch-disconnector size 000, 125 A, busbar mounted, connection top / bottom (33416)



Description

Article

Part No.: 33416

QUADRON[®] 30Compact

NH fuse-switch-disconnector size 000, 125 A, busbar mounted, connection top / bottom

box terminal

for busbars 12 x 5, 10

System

30Compact 3P

Product group 09

Subgroup 22

pack size 1

EAN 4021267334161

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

catalog page 2019 : 2.4, 2.5

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-NH000

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

CCC certificate: 2010010302405871

Product data

for fuse-links size: NH 000

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

permitted power dissipation of the fuse-link: 9 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): 125 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 / 80 A)

AC-22B (400 V / 125 A)

Utilisation category DC (IEC 60947-3): DC specifications: 2 current paths (L1,L3) in series

DC-22B (440V/63A)

DC-22B (220V/100A)

DC-21B (440V/80A)

DC-21B (220V/125A)

cond. short-circuit current with fuses (AC): 50 kA / 400 V (125A)

50 kA / 500 V (100A)

50 kA / 690 V (50A)

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80% of the rated current results to 8.8 W.

(The power dissipation for operation with rated current would be 13.8 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.

for fuse links IEC 60269-2 / DIN VDE 0636-2 size 000 (max. 21mm wide) up to 9W power dissipation
Special operating conditions corresponding to IEC / EN 61439-1 may yield to faulty activations of pilot switches and fuse monitors. The operating conditions have to be considered for the analysis of status signals.

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.

Bei Dauerbetrieb von mehreren Geräten nebeneinander ist der Bemessungsbelastungsfaktor nach VDE 0660 Teil 500 / EN60439-1, Tabelle 1 zu beachten.

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): 125 A

rated voltage (UL) AC: 600 V

SCCR: 100 kA

Mechanical data

W x H x D: 90 x 160 x 98

weight: 90 kg/100

poles: 3-pole

for busbars: 12 x 5, 10

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:

2.5 - 50mm² flexible cables,

1.5 - 50mm² flexible cables with wire-end ferrules

1.5 - 10mm² solid round

16 - 50mm² stranded round

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

lam. Cu. 6-9 mm wide

Terminal space 10mm x 10mm

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

Accessories



33156

pilot switch

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