

## NH fuse switch-disconnector size 000, 125 A, bus-mounting (33 416)



### Description

#### Article

Part No.: 33 416

QUADRON<sup>®</sup> 30Compact

NH fuse switch-disconnector size 000, 125 A, bus-mounting  
connection box terminal, outgoing terminal bottom/top  
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 2015 : 1/4, 1/5

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

### Approvals

IEC (CB), UL, Germanischer Lloyd, VDE, CCC



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

### Electrical data

Rated current (IEC): 125 A

Rated voltage (IEC) AC: 690 V

Rated voltage (IEC) DC: 440 V

Rated current (UL): 125 A

Rated voltage (UL) AC: 600 V

Utilisation category AC (IEC 60947-3) :	AC-23B (400 V)
	AC-22B (500 V)
	AC-21B (690 V)
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)

Power dissipation:

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.)

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

cond. rated short-circuit current with fuses:	50 kA / 690 V (80A)
	50 kA / 500 V (100A)
	50 kA / 400 V (125A)
approved with fuse links of characteristics:	gG

SCCR: 100 kA

for fuse links IEC 60269-2 / DIN VDE 0636-2 size 000 (max. 21mm wide) up to 9W 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.

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)

### **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 - 50mm<sup>2</sup> flexible cables,

1,5 - 50mm<sup>2</sup> flexible cables with wire-end ferrules

1,5 - 10mm<sup>2</sup> solid round

16 - 50mm<sup>2</sup> stranded round

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

la. 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



**33 156**

pilot switch

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