

## NH fuse-switch-disconnector size 000, 125 A (33416)



The picture may show a similar product.

### Description

Part No.: **33416 000**

QUADRON<sup>®</sup> 30Compact

NH fuse-switch-disconnector size 000, 125 A

Size NH 000

box terminal

connection top or bottom

for busbars 12 x 5, 10

### System

30Compact 3P

### Advantages of the product

CrossLink<sup>®</sup> 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

**Product group** 09

**Subgroup** 22

pack size 1  
EAN 4021267334161

ECLASS 6.1 27142108  
ECLASS 7.1 27142108  
ETIM 4.0 EC001040  
ETIM 5.0 EC001040

## Approvals

### Standards

IEC 60947-1:2020  
IEC 60947-3:2020 AC ratings only  
UL 4248-1

### 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 <https://www.ul.com>  
CCC certificate: 2010010302405871

## Technical data

for fuse links size:	NH 000
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	9 W
requirements for contact parts:	Fuse links with silver-plated contact pieces recommended. For fuse links with nickel-plated contact pieces, a reduction factor of 0.8 is to be observed.

## Details IEC

### Standards

IEC 60947-1:2020

IEC 60947-3:2020 AC ratings only

### 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 (500 V / 100 A)

AC-22B (400 V / 125 A)

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 % results to 8.8 W.

(The power dissipation at full load 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

further 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)

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 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.

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  
rated frequency (UL): 50 / 60 Hz

SCCR: 100 kA

### Mechanical data

W x H x D: 90 x 160 x 98  
weight: 90.0 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

cage clamp connection

screw drive: S4  
wire stripping: 20 mm  
min. cross-section: 1.5 mm<sup>2</sup>  
max. cross-section: 50 mm<sup>2</sup>  
Md min.: 3.2 Nm  
Md max.: 4.8 Nm

Not suitable for aluminium cables !

## Application notes

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permitted power dissipation of the fuse-link: 9 W

requirements for contact parts:

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For fuse links with nickel-plated contact pieces, a reduction factor of 0.8 is to be observed.

for UL feeder circuits >250V

## Accessories

further accessories



**33156 000**

pilot switch

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

<https://pim.woehner.de/EN/EN/1000046967>