

## NH fuse switch-discon. size 1, 250 A, panel mounting (33201)



The picture may show a similar product.

### Description

Part No.: **33201 000**

QUADRON<sup>®</sup> Panel

NH fuse switch-discon. size 1, 250 A, panel mounting

screw M10

for mounting plate

### System

Panel

### Advantages of the product

For safe connection of the leads, the shock protection is split into 2.

Self-closing inspection holes are available in the cover.

Product group 09

Subgroup 06

pack size 1

EAN 4021267332013

ETIM 5.0 EC001040

ETIM 8.0 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-NH1

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

CCC certificate: 2012010302563561

## Technical data

for fuse links size:

NH 1

fuse links acc. to standard:

IEC / HD 60269-2

permitted power dissipation of the fuse-link: 23 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): 250 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 / 250A)  
AC-22B (400 V / 250A)

cond. short-circuit current with fuses (AC):	100 kA / 690 V
approved with fuse links of operation class:	gG
rated peak withstand current $I_{pk}$ max.:	13.7 kA
rated short-time withstand current $I_{CW}$ (1.0 s) max.:	8.1 kA
$I_{CW}$ approved with:	Trennmesser

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 9.0 W.

(The power dissipation at full load would be 14.1 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) AC: 725 V

max. permitted voltage (IEC) DC: 800 V

further utilisation category DC (IEC 60947-3): DC specifications: 2 current paths (L1,L3) in series  
DC-20B (440V)  
DC-20B (1000V) at pollution degree 2

visible information required if used at more than 440V DC: do not switch under load

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.

min. permitted operation temperature -40°C

max. permitted operation temperature 55°C

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

## Details UL

### Standards

UL 4248-1

for UL feeder circuits >250V

### Electrical data UL

rated current (UL): 250 A

rated voltage (UL) AC: 600 V

rated frequency (UL): 50 / 60 Hz

SCCR: 100 kA

### Mechanical data

W x H x D: 184 x 243 x 112

weight: 171.0 kg/100

poles: 3-pole

Mounting: for mounting plate

front degree of protection: IP30

### Terminal points

screw connection

M10

screw drive: SW16

Md min.: 20.0 Nm

Md max.: 30.0 Nm

torque (UL): 221 lb-in

### Material properties

halogen-free: No

## Application notes

based on the AC and DC switching capacities and considering the overload conditions as given in the above mentioned standards the following distances to earthed metal parts have to be respected:

required spacing top: 30 mm

required spacing at sides: 20 mm

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.

permitted power dissipation of the fuse-link: 23 W

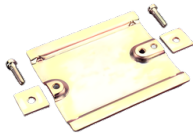
requirements for contact parts: Fuse links with silver-plated contact pieces recommended.

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for UL feeder circuits >250V

# Accessories

## accessories for mounting



### **33158 000**

rapid mounting set

for 2 mounting rails, rails centre distance 125 mm or 150 mm  
size 1 - 2

## connection accessories



### **33145 000**

prism terminal, double, for Cu cables

2x 35 - 70 mm<sup>2</sup>

for: QCB-NH1, QCS-NH1, QCS-320



### **33163 000**

clamp connector for Cu cables

70 - 150 mm<sup>2</sup>

for: QCB-NH2, LTS-F 400, LTS 630



### **33166 000**

prism terminal, single, for Cu cables

35 - 150 mm<sup>2</sup>

QCB-NH1, QCS-NH1, QCS-320

for: QCB-NH1, QCS-NH1, QCS-320



### **33909 000**

box terminal for Cu cables

35 - 150 mm<sup>2</sup>

QCB-NH1, QCS-NH1, QCS-320

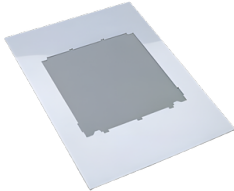
for: QCB-NH1, QCS-NH1, QCS-320

## covers



### **33142 000**

cover for cable lugs, top / bottom attachable  
for: QCB-NH1, QCS-NH1, QCS-320



### **33152 000**

trim frame, single  
215 x 330  
size 1



### **33155 000**

barrier for handle  
for NH fuse-switch disconnecter size 1-3  
for closing of handle area from rear



### **33917 000**

pilot switch  
changeover 250 V AC / 5 A, 30 V DC / 4 A  
QUADRON®60Classic, QUADRON®Panel size 1

## further accessories



### **33157 000**

lid interlock  
for sealing wire or 3 padlocks with shackle of 4 - 7 mm  
Size 1 - 3



### **33918 000**

arcing chamber  
retrofit package for higher utilisation category  
for: QCB-NH1

<https://pim.woehner.de/EN/EN/1000046764>