

## NH fuse switch-disconnector size 00, 160 A, panel mounting (33200)



The picture may show a similar product.

### Description

Part No.: **33200** 000

QUADRON<sup>®</sup> Panel

NH fuse switch-disconnector size 00, 160 A, panel mounting

screw M8

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 03

pack size 1

EAN 4021267332006

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

UL , CCC



for UL feeder circuits >250V

type number: LTS-00

UL file: E230163, UL category (for USA): IZLT2 <https://www.ul.com>  
CCC certificate: 2004010302117250

## Technical data

|                                               |                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| for fuse links size:                          | NH 000, NH 00                                                                                                                                               |
| fuse links acc. to standard:                  | IEC / HD 60269-2                                                                                                                                            |
| permitted power dissipation of the fuse-link: | 12 W                                                                                                                                                        |
| requirements for contact parts:               | Fuse links with silver-plated contact pieces recommended.<br>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): 160 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-23B (400V)  
AC-23B (500V/125A)  
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 (IEC 60947-3): DC specifications: 2 current paths (L1,L3) in series  
DC-22B (220V)  
DC-22B (440V/125A)  
DC-21B (440V)  
DC-20B (1000V) at pollution degree 2

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

cond. short-circuit current with fuses (AC): 50 kA / 690 V  
approved with fuse links of operation class: gG  
rated short-time withstand current  $I_{cw}$  (1.0 s) max.: 5 kA

power dissipation of the article:  
The power dissipation at a typical load of 80 % results to 4,5 W.  
(The power dissipation at full load would be 7,0 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.

In accordance with the specified AC and DC switching properties and in consideration of the overload conditions, the distances to earthed metal parts given below are to be adhered to. - top 150mm, side 55mm

When used as a disconnector, the spacings can be ignored.

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): 160 A

rated voltage (UL) AC: 600 V

rated frequency (UL): 50 / 60 Hz

SCCR: 100 kA

## **Mechanical data**

W x H x D: 106 x 200 x 83

weight: 77,7 kg/100

poles: 3-pole

Mounting: for mounting plate

front degree of protection: IP30

## **Terminal points**

screw connection

M8

screw drive: SW13

Md min.: 8,0 Nm

Md max.: 10,0 Nm

Not suitable for aluminium cables !

## Application notes

Not suitable for aluminium cables !

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: 12 W

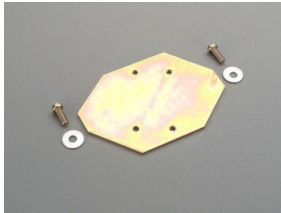
requirements for contact parts: Fuse links with silver-plated contact pieces recommended.

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

for UL feeder circuits >250V

# Accessories

## accessories for mounting

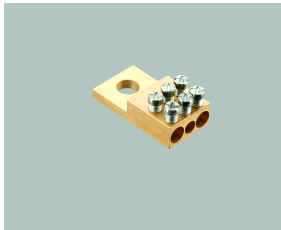


### **33193 000**

rapid mounting set

for 2 mounting rails, rails centre distance 125 mm or 150 mm  
size 00

## connection accessories



### **01182 000**

tunnel terminal for screw connection M8

1x 2.5 - 16 mm<sup>2</sup> + 2x 2.5 - 25 mm<sup>2</sup>  
NH 00



### **03727 000**

clamp connector

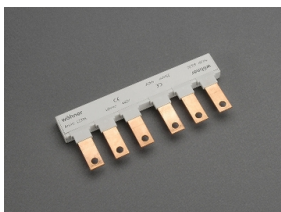
1.5 - 70 mm<sup>2</sup>  
size 00



### **33224 000**

prism terminal, single, for Cu cables

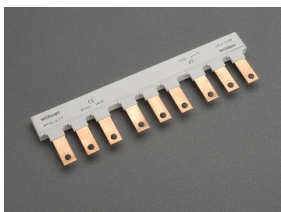
16 - 70 mm<sup>2</sup>  
NH 00



### **33376 000**

comb-type busbar, 3-pole, for 2 NH fuse switch disconnectors

35 mm<sup>2</sup>  
for: 33200



### **33377 000**

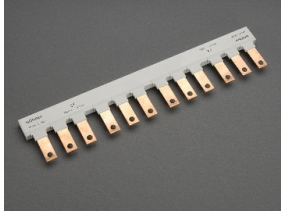
comb-type busbar, 3-pole, for 3 NH fuse switch disconnectors

35 mm<sup>2</sup>  
for: 33200



### **33378 000**

connecting terminal, front connection  
for 3-pole comb-type busbar 35 mm<sup>2</sup>, suitable for NH-fuse-switch-  
disconnecter size 00 with screw connection  
25 - 95 mm<sup>2</sup>



### **33392 000**

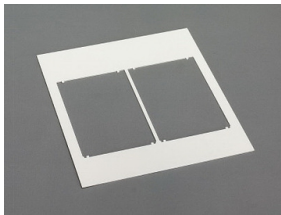
comb-type busbar, 3-pole, for 4 NH fuse switch disconnectors  
35 mm<sup>2</sup>  
for: 33200



### **79811 000**

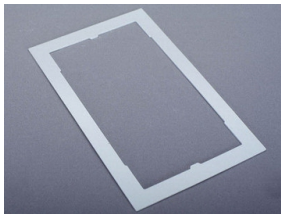
cover for cable lugs, top / bottom attachable  
NH 00  
for: 33200, 33208, 33329, 33394, 33398, 33420

## covers



### **78105 000**

trim frame, double  
232 x 210, not for 33221, 33222  
size 00



### **78893 000**

trim frame, single  
130 x 210, not for 33221, 33222  
size 00

## further accessories



### **03849 000**

lid interlock  
for sealing wire  
Size 00



**33156 000**

pilot switch

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

<https://pim.woehner.de/EN/DE/1000046673>