

NH fuse switch-disconnector size 00, 160 A, panel mounting (33199)



The picture may show a similar product.

Description

Part No.: **33199** 000

QUADRON[®] Panel

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

Size NH 00

clamp 70 mm²

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 4021267331993

ECLASS 6.1 27142108
ECLASS 7.1 27142108
ETIM 4.0 EC001040
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

UL, CCC, DNV GL



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. 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-21B (690 V)

AC-22B (500 V)

AC-23B (400 V)

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

further utilisation category AC (IEC 60947-3): AC-20B (1000V) at pollution degree 2
visible information required if used at more than 690V AC: do not switch under load

further 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

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
max. permitted operation temperature 55

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): 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: 78.0 kg/100

poles: 3-pole

Mounting: for mounting plate

front degree of protection: IP30

Terminal points

terminal

Md min.: 2.4 Nm

Md max.: 3.6 Nm

Not suitable for aluminium cables !

Material properties

halogen-free: No

Application notes

Not suitable for aluminium cables !

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: 15 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: 12 W

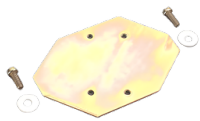
requirements for contact parts: Fuse links with silver-plated contact pieces recommended.

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

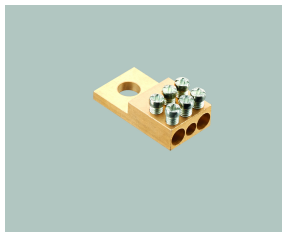


33193 000

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 mm² + 2x 2.5 - 25 mm²

NH 00



30894 000

M8 screw connector

with spring washer

size 00



33224 000

prism terminal, single, for Cu cables

16 - 70 mm²

NH 00



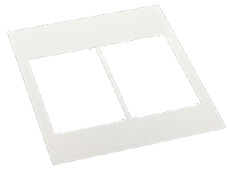
79811 000

cover for cable lugs, top / bottom attachable

NH 00

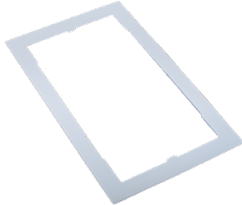
for: 33200, 33208, 33329, 33394, 33398, 33420

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/EN/1000046654>