

NH fuse switch-disconnector size 00, 160 A, panel mounting (33222)



Description

Part No.: 33222

QUADRON® Panel

NH fuse switch-disconnector size 00, 160 A, panel mounting
screw M8, with short protection cover

System

Mounting plate

Product group 09

Subgroup 03

pack size 1

EAN 4021267332228

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.

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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 + A2:2015

GB/T 14048.3

Approvals

IEC (CB) , UL , CCC , DNV GL



for UL feeder circuits >250V

type number: LTS-00

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

CCC certificate: 2004010302117250

Product data

for fuse-links size: NH 000, NH 00

fuse-link acc. to standard: IEC / HD 60269-2

permitted power dissipation of the fuse-link: 12 W

Details IEC

Standards

IEC 60947-1:2007 + A1:2010 + A2:2014

IEC 60947-3:2008 + A1:2012 + A2:2015

GB/T 14048.3

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

power dissipation of the article:

The power dissipation at a typical load of 80% of the rated current results to 4.5 W.

(The power dissipation for operation with rated current would be 7 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.

for fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation
In accordance with the specified AC and DC switching properties and in consideration of the overload conditions, certain distances to earthed metal parts are to be adhered to. Further information on request.

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

SCCR: 100 kA

Mechanical data

W x H x D: 106 x 151 x 83

weight: 71.9 kg/100

poles: 3-pole

front degree of protection: IP30

Terminal points

screw M8

Accessories:

Clamp connection: Cu 1.5-70mm² s(r), f+AE; lam. Cu 12x1-10; 3Nm torque

single wedge clamp terminal: Cu, Al* 16-70mm² s(r), s(s), f+AE; 3Nm torque

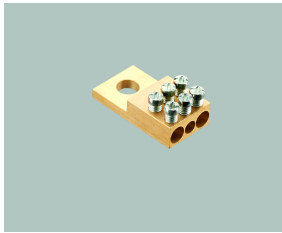
tunnel terminal 3x Cu 1.5-16mm² s(r), f+AE; 3Nm torque

*Connections not maintenance-free if aluminium conductors are used.

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
Contacts:	spring-loaded copper contacts, silver plated

Accessories



01182

tunnel terminal for screw connection M8

1x 2.5 - 16 mm² + 2x 2.5 - 25 mm²

NH 00



03727

clamp connector

1.5 - 70 mm²

size 00



03849

lid interlock

for sealing wire

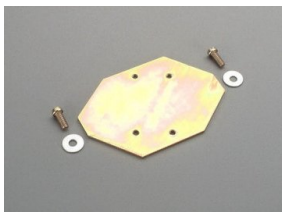
Size 00



33156

pilot switch

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



33193

rapid mounting set

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

size 00



33223

cover for connecting space

for 33221, 33222

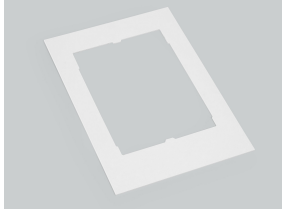
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for: 33221, 33222



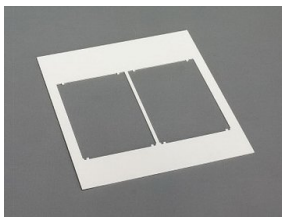
33224

prism terminal, single, for Cu and Al cables
16 - 70 mm²
NH 00



33225

trim frame, single
143 x 210, for 33221, 33222
size 00



33226

trim frame, double
232 x 210, for 33221, 33222
size 00
phase-out product