

NH fuse switch-disconnector size 2, 400 A (33602)



The picture may show a similar product.

Description

Part No.: **33602 000**

QUADRON® 60Classic

NH fuse switch-disconnector size 2, 400 A

Size NH 2

screw M10

connection top or bottom

for busbars 12, 20, 30 x 10 and section busbars

System

60Classic

Advantages of the product

Disconnectors are equipped with arc chambers.

The shock protection is split into 2 for safe connection of the conductors.

Self-closing inspection holes are available in the cover.

Product group 09

Subgroup 30

pack size 1
EAN 4021267336028

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 , CCC , DNV GL



for UL feeder circuits >250V

type number: LTS-2

UL file: E230163, UL category (for USA): IZLT2 <https://www.ul.com>
CCC certificate: 2004010302117262

Technical data

for fuse links size:	NH 2
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	34 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): 400 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-22B (690V/ 400A)

AC-22B (800V/ 200A)

AC-23B (690V/ 315A)

AC-23B (500V/ 400A)

cond. short-circuit current with fuses (AC): 100 kA / 690 V (400 A)

approved with fuse links of operation class: gG

rated peak withstand current I_{pk} max.: 27.2 kA

rated short-time withstand current I_{CW} (1.0 s) max.: 13.2 kA

I_{CW} approved with: Trennmesser

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 28.8 W.

(The power dissipation at full load would be 45.0 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 (440V) 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°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): 400 A
rated voltage (UL) AC: 600 V
rated frequency (UL): 50 / 60 Hz

SCCR: 100 kA

Mechanical data

W x H x D: 210 x 288 x 145
weight: 522.0 kg/100
poles: 3-pole
for busbars: 12, 20, 30 x 10 and section busbars

front degree of protection: IP30

Type of fastening: patented click mechanism

Terminal points

screw connection
M10
screw drive: SW16
Md min.: 30.0 Nm
Md max.: 35.0 Nm

Material properties

halogen-free: Yes

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: 34 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



33148 000
conversion kit
for 5 mm busbars
size 2

connection accessories



33146 000
prism terminal, double, for Cu cables
2x 70 - 120 mm²
size 2

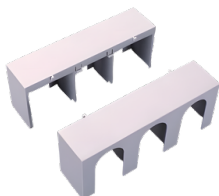


33164 000
clamp connector for Cu cables
120 - 240 mm²
for: QCB-NH2, LTS-F 400, LTS 630



33167 000
prism terminal, single, for Cu cables
50 - 240 mm²

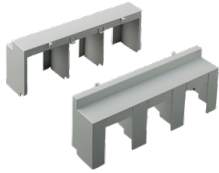
covers



33143 000
cover for cable lugs, top / bottom attachable
for QCB-NH2
for: QCB-NH2



33155 000
barrier for handle
for NH fuse-switch disconnecter size 1-3
for closing of handle area from rear

**33316 000**

trim cover, 2 parts
for NH-LTS size 2
size 2

**33418 000**

connection shroud
for NH fuse-switch-disconnector size 2

further accessories

**33156 000**

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

**33157 000**

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

<https://pim.woehner.de/EN/EN/1000047143>