

NH fuse-switch-disconnector size 00, 160 A (33079)



The picture may show a similar product.

Description

Part No.: **33079**000

QUADRON® 60Classic

NH fuse-switch-disconnector size 00, 160 A

screw M8

suitable for 5-pole system

connection top or bottom

for busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

System

60Classic

Product group 09

Subgroup 24

pack size 1

EAN 4021267330798

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

IEC (CB) , UL , VDE , CCC , DNV GL



for UL feeder circuits >250V

type number: QCB-NH00

UL file: E230163, UL category (for USA): IZLT2 <https://www.ul.com>
CCC certificate: 2010010302403934

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

cond. short-circuit current with fuses (AC): 50 kA / 690 V

80 kA / 500 V (160 A)

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 11.3 W.

(The power dissipation at full load would be 17.7 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.

Entsprechend den angegeben AC- und DC- Schalteigenschaften und unter Berücksichtigung der Überlastbedingungen, sind gewisse Abstände zu geerdeten Metallteilen einzuhalten. Nähere Informationen auf Anfrage.

Bei Dauerbetrieb von mehreren Geräten nebeneinander ist der Bemessungsbelastungsfaktor nach VDE 0660 Teil 500 / EN60439-1, Tabelle 1 zu beachten.

System component: degree of protection IP30 at front as per DIN EN 60529, degree of protection near terminal depends on installation

adapter module: front side degree of protection IP20 as per DIN EN 60529 (finger-safe)

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 97

weight: 100.0 kg/100

poles: 3-pole

for busbars: 12, 15, 20, 25, 30 x 5, 10 and section busbars

front degree of protection: IP30

Busbar connection:

externally tensioned contacting,

convenient click mechanism,

simple conversion of the combination bases from 5 to 10mm-thick busbars

Terminal points

Md min.: 12.0 Nm

Md max.: 14.0 Nm

Not suitable for aluminium cables !

Schellenanschluß (im Lieferumfang enthalten): Cu 1,5 -70mm² rm, f+AE; lam. Cu 12x1-10;
3 Nm Drehmoment

Application notes

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for UL feeder circuits >250V

<https://pim.woehner.de/EN/BR/1000047000>