

switch disconnecter with fuses, 3-pole (33500)



The picture may show a similar product.

Description

Part No.: **33500 000**

QUADRON® 60Classic Speed

switch disconnecter with fuses, 3-pole

Size NH 00

box terminal, connection bottom

size 00

double-breaking

operator independent switching (snap-action mechanism)

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

System

60Classic

Advantages of the product

With spring-controlled switch mechanism for frequent switching as per utilisation category "A"

Can be locked in neutral position with up to 3 padlocks

FLAG indicator shows the switch setting

Fuses can be changed safely and without tools thanks to double-breaking main contacts

Additional visible separating section by removing the cover incl. fuses

Can be used as mains disconnecter as per IEC / EN 60204-1 (main switch).

Mains switch only in combination with AC-23A/B

CrossLink® adapter technology

Simple and safe clicking into place and making contact

Busbar supports can be mounted above each other for flat rails

Compact dimensions (106mm wide)

Product group 15

Subgroup 20

pack size 1

EAN 4021267335007

ECLASS 6.1 27371401

ECLASS 7.1 27371401

ETIM 4.0 EC001040

ETIM 5.0 EC001040

Approvals

Standards

IEC 60947-1:2020

IEC 60947-3:2020 AC ratings only

Approvals

IEC (CB) , VDE , CCC , DNV GL



type number: QCS-NH00

CCC certificate: 2010010302392782

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: 10 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): 125 A

rated voltage (IEC) AC: 690 V

rated isolation voltage U_i AC: 800 V

rated surge voltage U_{imp} : 8 kV

Utilisation category AC (IEC 60947-3): AC-23B (690V/125A)

AC-23A (500V/125A)

AC-22A (690V/125A)

Utilisation category DC (IEC 60947-3): DC specifications: 2 current paths (L1,L3) in series

DC-22B (220 V / 125 A)

DC-21B (100 V / 200 A)

cond. short-circuit current with fuses (AC): 50 kA / 690 V (125A)

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 18.6 W.

(The power dissipation at full load would be 29.0 W.)

Special operating conditions corresponding to IEC / EN 61439-1 may yield to faulty activations of pilot switches and fuse monitors. The operating conditions have to be considered for the analysis of status signals.

When several devices are used side-by-side in continuous operation, the rated load factor specified in VDE 0660 Part 500 / EN 60 439-1, Table 1, must be observed.

Mechanical data

W x H x D: 106 x 200 x 128
weight: 219.0 kg/100
poles: 3-pole
for busbars: 12, 15, 20, 25, 30 x 5, 10 and section busbars

Terminal points

cage clamp connection
screw drive: S4
wire stripping: 20 mm
min. cross-section: 1.5 mm²
max. cross-section: 70 mm²
re: 1.5 - 10 mm²
f: 1.5 - 70 mm²
f + AE: 1.5 - 70 mm²
(f + AE may not fit with max. cross-section)
Md min.: 5.0 Nm
Md max.: 6.0 Nm
Not suitable for aluminium cables !
Terminal space: 13x13
lam. Cu width: 9 - 13 mm
lam. Cu thickness: 1 - 10 mm
number of lam. Cu: 1

Application notes

Not suitable for aluminium cables !

permitted power dissipation of the fuse-link: 10 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.

Accessories

connection accessories



33914 000
connecting terminal 120 mm²
front connection
for: QCS-NH00, QCS-160



33915 000
connection for auxiliary line, for box terminal
flat connector EN 61210 6.3 x 0.8
for: QCB-NH00, QCS-NH00, QCS-160

further accessories



33908 000
pilot switch for monitoring the switch position
changeover 250 V AC / 5 A, 30 V DC / 4 A
for: QCS-NH00, QCS-NH1, QCS-160, QCS-320

<https://pim.woehner.de/EN/EN/1000049909>