

switch disconnecter with fuses, 3-pole (33510)



The picture may show a similar product.

Description

Part No.: **33510 000**

QUADRON® 60Classic Speed

switch disconnecter with fuses, 3-pole

screw M10, connection bottom

size 1

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).

CrossLink® adapter technology

Simple and safe clicking into place and making contact

Busbar supports can be mounted above each other for flat rails

Product group 15

Subgroup 23

pack size 1

EAN 4021267335106

ETIM 5.0 EC001040

ETIM 8.0 EC001040

Approvals

Standards

IEC 60947-1:2020

IEC 60947-3:2020 AC ratings only

Approvals

IEC (CB) , VDE , DNV GL



type number: QCS-NH1

Technical data

for fuse links size:	NH 1
fuse links acc. to standard:	IEC / HD 60269-2
permitted power dissipation of the fuse-link:	23 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): 250 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, 250A)
AC-23A (500V, 250A)
AC-22A (690V, 250A)

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

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 52.5 W.

(The power dissipation at full load would be 82.0 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 operation temperature 55°C

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.

System component: degree of protection IP20 at front as per DIN EN 60529, degree of protection near terminal depends on installation; shock protection as per DIN EN 50274

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

Mechanical data

W x H x D: 184 x 286 x 194

weight: 567.0 kg/100

poles: 3-pole

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

Busbar connector: externally tensioned contacting, convenient click mechanism, simple conversion of the combination bases from 5 to 10mm-thick busbars.

When installing QCS, a busbar support is to be applied left and right, see assembly manual.

Terminal points

screw connection

M10

screw drive: SW16

Md min.: 30.0 Nm

Md max.: 35.0 Nm

Material properties

halogen-free: No

Application notes

permitted power dissipation of the fuse-link: 23 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



33145 000

prism terminal, double, for Cu cables
2x 35 - 70 mm²
for: QCB-NH1, QCS-NH1, QCS-320



33163 000

clamp connector for Cu cables
70 - 150 mm²
for: QCB-NH2, LTS-F 400, LTS 630



33166 000

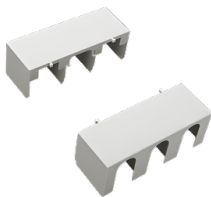
prism terminal, single, for Cu cables
35 - 150 mm²
QCB-NH1, QCS-NH1, QCS-320
for: QCB-NH1, QCS-NH1, QCS-320



33909 000

box terminal for Cu cables
35 - 150 mm²
QCB-NH1, QCS-NH1, QCS-320
for: QCB-NH1, QCS-NH1, QCS-320

covers



33142 000

cover for cable lugs, top / bottom attachable
for: QCB-NH1, QCS-NH1, QCS-320

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/1000049994>