

switch-disconnector 3-pole (33550)



The picture may show a similar product.

Description

Part No.: **33550 000**

QUADRON® 60Classic Speed
switch-disconnector 3-pole
screw M10, connection bottom
320 A
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"

Lockable in neutral position with up to 3 padlocks

FLAG indicator shows the switch setting

double-breaking main contacts

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

Main switch only in combination with utilisation category AC-23A/B

AC-23B (400V/280A), AC-23B (690V/250A)

CrossLink® adapter technology

Simple and safe clicking into place and making contact

Busbar supports can be mounted above each other for flat busbars

Product group 14

Subgroup 23

pack size 1

EAN 4021267335502

ETIM 5.0 EC000216

ETIM 8.0 EC000216

ETIM 10.0 EC000216

Approvals

Standards

IEC 60947-1:2020

IEC 60947-3:2020 AC ratings only

type number: QCS-320

Technical data

Details IEC

Standards

IEC 60947-1:2020

IEC 60947-3:2020 AC ratings only

Electrical data IEC

rated current (IEC): 320 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-23B (400V/280A)

AC-22A (690V/250A)

AC-22B (690V/300A)

AC-22B (500V/320A)

approved with fuse links of operation class: gG

power dissipation of the article:

The power dissipation at a typical load of 80 % results to 66.5 W.

(The power dissipation at full load would be 103.8 W.)

rated short-circuit making capacity 12kA (690V AC) cond. rated short-circuit current 50kA (fuses gL/
gG size 1 250A-690V AC)

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 204

weight: 565.0 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

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/1000049612>