

switch disconnecter with fuses, 3-pole (33505)



Description

Part No.: 33505

QUADRON® Panel Speed

switch disconnecter with fuses, 3-pole

box terminal, for door coupling rotary handle

size 00

System

Mounting plate

Product group 15

Subgroup 03

pack size 1

EAN 4021267335052

Advantages of the product

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

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)

Also as an Emergency Off switch in combination with the red-yellow door coupling twist handle

Main switch and Emergency Off only in combination with AC-23A/B

Switches can be installed 90° left/right horizontal, always with the same switch lug position

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eCl@ss 6.1 27371401

eCl@ss 7.1 27371401

ETIM 4.0 EC001040

ETIM 5.0 EC001040

Approvals

Standards

IEC 60947-1:2007 + A1:2010 + A2:2014

IEC 60947-3:2008 + A1:2012 + A2:2015

GB/T 14048.3

type number: QCS-NH00

Technical data

for fuse-links size: NH 000, NH 00

fuse-link acc. to standard: IEC / HD 60269-2

permitted power dissipation of the fuse-link: 10 W

Details IEC

Standards

IEC 60947-1:2007 + A1:2010 + A2:2014

IEC 60947-3:2008 + A1:2012 + A2:2015

GB/T 14048.3

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): 2 current paths (L1,L3) in series

DC-22B (220V/125A)

3 current paths in series

DC-22B (440V/63A)

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

approved with fuse links of operation class: gG

Fuses gL/gG, size 00, 690V/125A for fuse links IEC 60269-2 / DIN VDE 0636-2 size 00 up to 10W power dissipation

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, dependent upon installation in the connection area; shock protection to DIN EN 50274

Mechanical data

W x H x D: 106 x 233 x 153

weight: 201.6 kg/100

poles: 3-pole

Terminal points

Box terminal:

1.5 - 70mm² flexible cables, directly or with wire-end ferrules*, depending on contour of the insulated lead 95mm² could be connectable

1.5 - 10mm² solid round

16 - 70mm² stranded round

2x10mm², 2x16mm² and 2x25mm² flexible with wire-end ferrules, identical cables placed side by side, crimping square

2x10 - 2x35mm² flexible, identical cables placed side by side square

lam. Cu. 9-13 mm wide

Terminal space 13mm x 13mm

(*flexible cables of maximum cross-section may not fit when using wire-end ferrule)

Material properties

Main body: temperature stability 125°C,
self-extinguishing in acc. to UL 94,
creepage resistance CTI 600,
halogen-free

Handle: temperature stability 125°C,
self-extinguishing in acc. to UL 94,
creepage resistance CTI 600,
halogen-free

Contacts: spring-loaded copper contacts, silver plated

Accessories



33908

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



33910

door coupling rotary handle, black, without shaft
IP66, lockable with 3 padlocks in 0 position, door inter-locking can be
activated
QCS-NH00, QCS-NH1, QCS-160, QCS-320



33911

door coupling rotary handle, red-yellow, without shaft
IP66, lockable with 3 padlocks in 0 position, door inter-locking can be
activated
QCS-NH00, QCS-NH1, QCS-160, QCS-320



33912

extension shaft, 290 mm long
QCS-NH00, QCS-NH1, QCS-160, QCS-320



33913

extension shaft, 490 mm long
QCS-NH00, QCS-NH1, QCS-160, QCS-320



33914

connecting terminal 120 mm²
front connection
QCS-NH00, QCS-160

**33915**

connection for auxiliary line, for box terminal

flat connector EN 61210 6.3 x 0.8

QCB-NH00, QCS-NH00, QCS-160