Specifications

Eaton 186180



Catalog Number: 186180

Eaton Moeller® series C22 Changeover switch, With thumb-grip, maintained, 1 NC, 1 N/O, Cable (black) with non-terminated end, 4 pole, 3.5 m, 2 positions, Bezel: titanium

General specifications

Product Name
Eaton Moeller® series C22 Changeover switch

Catalog Number
186180

EAN
4015081816811

Product Length/Depth
3576 mm

Product Height
30 mm

Product Width
30 mm

Product Weight
0.122 kg

Certifications
CSA
IEC/EN 60947-5-1
UL
CE
VDE 0660
CSA File No.: 165628
CSA Class No.: 321103
UL File No.: E29184
UL 508
CSA-C22.2 No. 14-18 and No. 94.2-15
CE marking
UL Category Control No.: NKCR
UL listed, CSA certified

Catalog Notes
Contacts with safety function, by positive opening to IEC/EN 60947-5-1

Powering Business Worldwide

Product specifications

Type

Selector switch actuator

Actuator color

Black

Product Category

RMQ compact solution

Features

Positive opening

Actuator function

Switching function latching

Maintained

Electric connection type

Other

Fitted with:

Front ring

Operating frequency

2000 Operations/h

Pollution degree

3

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30

Damp heat, constant, to IEC 60068-2-78

Connection to SmartWire-DT

No

Rated impulse withstand voltage (Uimp)

800 V AC

Actuator type

Toggle

Actuator diameter

4.7 mm

Actuator travel and actuation force (DIN EN 60947-5-1)

4.65 mm

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

-30 °C

Resources

Catalogs

eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf

Declarations of conformity

DA-DC-00004135.pdf

DA-DC-00004157.pdf

Drawings

eaton-operating-c22-changeover-switch-dimensions.eps

eaton-operating-c22-changeover-switch-3d-drawing.eps

eCAD model

DA-CE-ETN.C22-WRK-K11-P65

Installation instructions

IL047016ZU

Installation videos

Eaton's RMQ compact solution pilot devices

mCAD model

DA-CS-c22_w_open_cable

DA-CD-c22_w_open_cable

Sales notes

eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf

System overview

Pilot devices - selection aid

Wiring diagrams

eaton-operating-wiring-diagram-005.eps

Force for positive opening - min

20 N

Knob travel

5.7 mm

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

1

Number of contacts (normally open contacts)

1

Opening diameter

22.5 mm

Opening height

0 mm

Operating torque

0.3 Nm

Rated insulation voltage (Ui)

250 V

Rated operational current (Ie) at AC-15, 24 V

4 A

Rated operational current (Ie) at DC-13, 24 V

3 A

Bezel color

Titanium

Cable material

PUR

Bezel material

Plastic

Design

With thumb-grip

Cable end open

Classical

Mounting position

As required

Rated conditional short-circuit current (Iq)

1 kA

Cable length

3.5 m

Connection type

Cable (black) with non-terminated end, 4 pole

Overvoltage category

III

Control circuit reliability

1 failure per 17,000,000 swtching operations (statistically determined, at 17 V DC/7 mA: N/O contact
1 failure per 900,000 switching operations statistically determined, at 17 V DC/7 mA: N/C contact)

Degree of protection

IP66
IP65, rear
NEMA Other

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Number of switch positions

2

Tightening torque

2 Nm, Threaded ring

Short-circuit protection rating

Max. 4 A gG/gL, Fuse, Contacts

Supply voltage - max

0 V

Supply voltage - min

0 V

Switching angle

60 °

Width opening

0 mm



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