Specifications

Eaton 186164



Catalog Number: 186164

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

General specifications

Product Name
Eaton Moeller® series C22 Changeover switch

Catalog Number
186164

EAN
4015081816651

Product Length/Depth
1076 mm

Product Height
30 mm

Product Width
30 mm

Product Weight
0.048 kg

Certifications
IEC/EN 60947-5-1
CSA
CE
VDE 0660
UL
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
Maintained
Switching function latching

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-P62

Installation instructions
IL047016ZU

Installation videos
Eaton's RMQ compact solution pilot devices

mCAD model
DA-CD-c22_w_open_cable

DA-CS-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

Cable end open

With thumb-grip

Classical

Mounting position

As required

Rated conditional short-circuit current (Iq)

1 kA

Cable length

1 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

IP65, rear
IP66
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



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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