Specifications

Eaton 186109



Catalog Number: 186109

Eaton Moeller® series C22 Changeover switch, With thumb-grip, maintained, 2 N/O, Cable (black) with M12A plug, 4 pole, 0.2 m, 3 positions, Bezel: titanium

General specifications

Product Name
Eaton Moeller® series C22 Changeover switch

Catalog Number
186109

EAN
4015081816101

Product Length/Depth
276 mm

Product Height
30 mm

Product Width
30 mm

Product Weight
0.035 kg

Certifications
UL
CE
VDE 0660
CSA
IEC/EN 60947-5-1
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

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Product specifications

Type
Selector switch actuator

Actuator color
Black

Product Category
RMQ compact solution

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

Ambient operating temperature - max
70 °C

Ambient operating temperature - min
-30 °C

Number of contacts (change-over contacts)
0

Number of contacts (normally closed contacts)
0

Resources

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

Declarations of conformity
DA-DC-00004157.pdf

DA-DC-00004135.pdf

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

eaton-operating-changeover-switch-3d-drawing-002.eps

eCAD model
DA-CE-ETN.C22-WRK3-K20-P1

Installation instructions
IL047016ZU

Installation videos
Eaton's RMQ compact solution pilot devices

mCAD model
DA-CD-c22_w_m12a_4pol

DA-CS-c22_w_m12a_4pol

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

System overview
Pilot devices - selection aid

Wiring diagrams
eaton-operating-changeover-switch-wiring-diagram.eps

Number of contacts (normally open contacts)

2

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

M12A

Classical

Mounting position

As required

Rated conditional short-circuit current (Iq)

1 kA

Cable length

0.2 m

Connection type

Cable (black) with M12A plug, 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

Degree of protection

IP66

IP65, rear

NEMA Other

Lifespan, mechanical

1,000,000 Operations (AC operated)

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Number of switch positions

3

Tightening torque

1 Nm, Plug

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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