Specifications

# Eaton 185684

## Catalog Number: 185684

Eaton Moeller® series C22 Pushbutton, classic, flat, maintained, 1 N/C, red, cable (black) with m12a plug, 4 pole, 0.2 m



### General specifications

**Product Name**
Eaton Moeller® series C22 Pushbutton

**Catalog Number**
185684

**EAN**
4015081811786

**Product Length/Depth**
260 mm

**Product Height**
30 mm

**Product Width**
30 mm

**Product Weight**
0.035 kg

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

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

## Product specifications

### Type

Pushbutton actuator

### Actuator color

Red

### Features

Positive opening

### Actuator function

Switching function latching

Maintained

### Electric connection type

Other

### Fitted with:

Front ring

### Operating frequency

3600 Operations/h

### Pollution degree

3

### Climatic proofing

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

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

### Connection to SmartWire-DT

No

### Rated impulse withstand voltage (Uimp)

800 V AC

### Bezel color

Titanium

### Cable material

PUR

### Actuating force

5 N

### Actuator diameter

29.7 mm

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

4.65 mm

### Ambient operating temperature - max

70 °C

## 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-c22-pushbutton-dimensions-002.eps

eaton-operating-pushbutton-3d-drawing-002.eps

eaton-operating-button-symbol-006.eps

### eCAD model

DA-CE-ETN.C22-DR-R-K01-P1

### Installation instructions

IL047016ZU

### Installation videos

Eaton's RMQ compact solution pilot devices

### mCAD model

DA-CD-c22_d_m12a_4pol

DA-CS-c22_d_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-pushbutton-wiring-diagram-006.eps

Ambient operating temperature - min

-30 °C

Force for positive opening - min

15 N

Knob travel

5.7 mm

Lamp voltage - max

0 V

Number of command positions

1

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

1

Number of contacts (normally open contacts)

0

Bezel material

Plastic

Design

M12A

Flat

Classical

Mounting position

As required

Rated conditional short-circuit current (Iq)

1 kA

Connection type

Cable (black) with M12A plug, 4 pole

Cable length

0.2 m

Overvoltage category

III

Control circuit reliability

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

Degree of protection

NEMA 12

IP67/IP69K

Inscription

Blank

Front element type

Flat

Lens type

Round

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Lifespan, mechanical

1,000,000 Operations (AC operated)

Short-circuit protection rating

Max. 4 A gG/gL, Fuse, Contacts

Opening diameter

22.5 mm

Opening height

0 mm

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

Width opening

0 mm

Product category

RMQ compact solution

Ambient storage temperature - max

80 °C

Ambient storage temperature - min

30 °C

Tightening torque

2 Nm, Threaded ring

1 Nm, Plug




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