Specifications

Eaton 185996

Catalog Number: 185996

Eaton Moeller® series C30 Pushbutton, Flat, maintained, 1 NC, Cable (black) with M12A plug, 4 pole, 1 m, red, Blank, Metal bezel



General specifications

Product Name
Eaton Moeller® series C30 Pushbutton

Catalog Number
185996

EAN
4015081814978

Product Length/Depth
1060 mm

Product Height
46 mm

Product Width
36 mm

Product Weight
0.076 kg

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

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

Powering Business Worldwide

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, 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

Bezel color

Chrome

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-c30-pushbutton-dimensions-002.eps

eaton-operating-pushbutton-3d-drawing-004.eps

eaton-operating-button-symbol-006.eps

eCAD model

DA-CE-ETN.C30C-FDR-R-K01-P5

Installation instructions

IL047021ZU

Installation videos

Eaton's RMQ compact solution pilot devices

mCAD model

DA-CD-c30_d_m12a_4pol

DA-CS-c30_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

-25 °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

Metal

Design

Flat

M12A

Mounting position

As required

Rated conditional short-circuit current (Iq)

1 kA

Connection type

Cable (black) with M12A plug, 4 pole

Cable length

1 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 Other

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

30.5 mm

Opening height

0 mm

Rated insulation voltage (Ui)

30 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

1 Nm, Plug

2 Nm, Threaded ring



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