

# Eaton 186125

Catalog Number: 186125

Eaton Moeller® series C22 Changeover switch, With thumb-grip, maintained, 2 N/O, Cable (black) with M12A plug, 4 pole, 1 m, 3 positions, Bezel: titanium

General specifications



| Product Name                                | Catalog Number |
|---------------------------------------------|----------------|
| Eaton Moeller® series C22 Changeover switch | 186125         |
|                                             | EAN            |
|                                             | 4015081816262  |
| Product Length/Depth                        | Product Height |
| 1076 mm                                     | 30 mm          |
| Product Width                               | Product Weight |
| 30 mm                                       | 0.059 kg       |

- Certifications
- CE
  - CSA
  - UL
  - VDE 0660
  - 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

## 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-P5](#)

### 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

M12A

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 M12A plug, 4 pole

Overvoltage category

III

Control circuit reliability

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

#### Degree of protection

IP65, rear

IP66

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

2 Nm, Threaded ring

1 Nm, Plug

#### 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

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



Eaton.com/socialmedia