# Specifications



## Eaton 185181

Eaton Moeller® series C22 Emergency stop/emergency switching off pushbutton, Mushroom-shaped, 38 mm, Turn-to-release function, 1 NC, 1 N/O, Cable (black) with non-terminated end, 4 pole, 1 m

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton Moeller® series C22 Emergency stop/emergency switching off pushbutton |
| **CATALOG NUMBER** | 185181 |
| **MODEL CODE** | C22-PVT-K11-P62 |
| **EAN** | 4015081806669 |
| **PRODUCT LENGTH/DEPTH** | 1097 mm |
| **PRODUCT HEIGHT** | 38 mm |
| **PRODUCT WIDTH** | 38 mm |
| **PRODUCT WEIGHT** | 0.077 kg |
| **CERTIFICATIONS** | VDE 0660<br>IEC/EN 60947-5-5<br>CSA<br>CE<br>UL<br>CSA Class No.: 321103<br>CSA File No.: 165628<br>IEC/EN 60947-5-1<br>UL 508<br>CSA-C22.2 No. 14-10<br>CSA-C22.2 No. 94-91<br>CSA-C22.2 No. 94.2-07<br>CE marking<br>UL File No.: E340491 |
| **CATALOG NOTES** | Contacts with safety function, by positive opening to IEC/EN 60947-5-1 |

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## Features & Functions

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|---|---|
| **BASE COLOR** | Yellow |
| **DESIGN** | Mushroom-shaped<br>Classical |
| **FEATURES** | Tamper-proof (according to ISO 13850, EN 418)<br>Positive opening |
| **ILLUMINATION** | Non-illuminated |
| **UNLOCKING METHOD** | Turn-release |

## General

| | |
|---|---|
| **CABLE LENGTH** | 1 m |
| **CABLE MATERIAL** | PUR |
| **CONNECTION TO SMARTWIRE-DT** | No |
| **CONNECTION TYPE** | Cable (black) with non-terminated end, 4 pole |
| **DEGREE OF PROTECTION** | NEMA 4X, 13<br>IP67/IP69K |
| **MOUNTING METHOD** | Built-in |
| **MOUNTING POSITION** | As required |
| **OPENING DIAMETER** | 22.5 mm |
| **OPERATING FREQUENCY** | 300 Operations/h |
| **OVERVOLTAGE CATEGORY** | III |
| **POLLUTION DEGREE** | 3 |
| **PRODUCT CATEGORY** | RMQ compact solution |
| **RATED IMPULSE WITHSTAND VOLTAGE (UIMP)** | 800 V AC |
| **SHOCK RESISTANCE** | 30 g, Mechanical, Shock duration 11 ms |
| **TIGHTENING TORQUE** | 2 Nm, Threaded ring |
| **TYPE** | Controlled stop pushbutton/emergency-stop button |

## Climatic environmental conditions

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|---|---|
| **AMBIENT OPERATING TEMPERATURE - MIN** | -30 °C |
| **AMBIENT OPERATING TEMPERATURE - MAX** | 70 °C |
| **AMBIENT STORAGE TEMPERATURE - MIN** | 30 °C |
| **AMBIENT STORAGE TEMPERATURE - MAX** | 80 °C |
| **CLIMATIC PROOFING** | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |

## Electrical rating

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|---|---|
| **RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)** | 1 kA |
| **RATED INSULATION VOLTAGE (UI)** | 250 V |
| **RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V** | 3 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-15, 24 V** | 4 A |
| **SHORT-CIRCUIT PROTECTION RATING** | Max. 4 A gG/gL, Fuse, Contacts |

## Actuator

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|---|---|
| **ACTUATING FORCE** | 50 N |
| **ACTUATOR COLOR** | Red |
| **ACTUATOR DIAMETER** | 38 mm |
| **ACTUATOR FUNCTION** | Turn-to-release |
| **ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)** | 4.65 mm |
| **KNOB TRAVEL** | 5.7 mm |

## Contacts

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|---|---|
| **CONTROL CIRCUIT RELIABILITY** | 1 failure per 17,000,000 swtching operations (statistically determined, at 17 V DC/7 mA: N/O contact<br>1 failure per 900,000 switching operations statistically determined, at 17 V DC/7 mA: N/C contact) |
| **FORCE FOR POSITIVE OPENING - MIN** | 20 N |
| **NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)** | 1 |
| **NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)** | 1 |

| Resources | |
|---|---|
| CATALOGUES | eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf |
| CONTROL TRAVEL DIAGRAM | eaton-operating-circuit-pushbutton-contact-travel-diagram.eps |
| DECLARATIONS OF CONFORMITY | eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu250546en.pdf<br><br>eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251029en.pdf |
| DRAWINGS | eaton-operating-c22-dimensions-002.eps<br><br>eaton-operating-3d-drawing-007.eps<br><br>eaton-operating-button-symbol.eps |
| ECAD MODEL | DA-CE-ETN.C22-PVT-K11-P62 |
| FLYERS | eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf |
| INSTALLATION INSTRUCTIONS | IL047010ZU.pdf |
| INSTALLATION VIDEOS | Eaton's RMQ compact solution pilot devices |
| MCAD MODEL | DA-CD-c22_pvt_open_cable<br><br>DA-CS-c22_pvt_open_cable |
| SALES NOTES | eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf<br><br>eaton-rmq-compact-solution-flyer-fl047001en-en-us.pdf<br><br>eaton-rmq-c22-compact-pilot-device-flyer-fl047013en-en-us.pdf |
| WIRING DIAGRAMS | eaton-operating-wiring-diagram-005.eps |

| | |
|---|---|
| **PROJECT NAME:** | |
| **PROJECT NUMBER:** | |
| **PREPARED BY:** | |
| **DATE:** | |

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