

# Specifications

## Eaton 185610



Eaton Moeller® series C22 Pushbutton, classic, flat, maintained, 1 N/O, white, cable (black) with non-terminated end, 4 pole, 1 m



### General specifications

|                             |                                                                                                                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series C22 Pushbutton                                                                                                                                                                                    |
| <b>CATALOG NUMBER</b>       | 185610                                                                                                                                                                                                                  |
| <b>MODEL CODE</b>           | C22-DR-W-K10-P62                                                                                                                                                                                                        |
| <b>EAN</b>                  | 4015081811045                                                                                                                                                                                                           |
| <b>PRODUCT LENGTH/DEPTH</b> | 1060 mm                                                                                                                                                                                                                 |
| <b>PRODUCT HEIGHT</b>       | 30 mm                                                                                                                                                                                                                   |
| <b>PRODUCT WIDTH</b>        | 30 mm                                                                                                                                                                                                                   |
| <b>PRODUCT WEIGHT</b>       | 0.048 kg                                                                                                                                                                                                                |
| <b>CERTIFICATIONS</b>       | VDE 0660<br>CSA<br>IEC/EN 60947-5-1<br>UL<br>CE<br>CSA Class No.: 321103<br>CSA File No.: 165628<br>UL 508<br>CSA-C22.2 No. 14-18 and No. 94.2-15<br>CE marking<br>UL Category Control No.: NKCR<br>UL File No.: E29184 |

## Features & Functions

|                          |                   |
|--------------------------|-------------------|
| BEZEL COLOR              | Titanium          |
| BEZEL MATERIAL           | Plastic           |
| DESIGN                   | Flat<br>Classical |
| ELECTRIC CONNECTION TYPE | Cable             |
| FITTED WITH:             | Front ring        |
| INSCRIPTION              | Blank             |

## Climatic environmental conditions

|                                     |                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------|
| 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 |

## 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 12<br>IP67/IP69K                         |
| MOUNTING POSITION                      | As required                                   |
| OPENING DIAMETER                       | 22.5 mm                                       |
| OPERATING FREQUENCY                    | 3600 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                                   | Pushbutton actuator                           |

## Electrical rating

|                                               |                                |
|-----------------------------------------------|--------------------------------|
| 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

|                          |                                           |
|--------------------------|-------------------------------------------|
| <b>ACTUATING FORCE</b>   | 5 N                                       |
| <b>ACTUATOR COLOR</b>    | White                                     |
| <b>ACTUATOR DIAMETER</b> | 29.7 mm                                   |
| <b>ACTUATOR FUNCTION</b> | Maintained<br>Switching function latching |

## Contacts

|                                    |                                                                                                                   |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>CONTROL CIRCUIT RELIABILITY</b> | 1 failure per 17,000,000<br>switching operations<br>(statistically determined,<br>at 17 V DC/7 mA: N/O<br>contact |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------|

|                                                          |   |
|----------------------------------------------------------|---|
| <b>NUMBER OF CONTACTS<br/>(CHANGE-OVER<br/>CONTACTS)</b> | 0 |
|----------------------------------------------------------|---|

|                                                              |   |
|--------------------------------------------------------------|---|
| <b>NUMBER OF CONTACTS<br/>(NORMALLY CLOSED<br/>CONTACTS)</b> | 0 |
|--------------------------------------------------------------|---|

|                                                            |   |
|------------------------------------------------------------|---|
| <b>NUMBER OF CONTACTS<br/>(NORMALLY OPEN<br/>CONTACTS)</b> | 1 |
|------------------------------------------------------------|---|

## Resources

|                                   |                                                                                                                                                                                                                                                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CATALOGUES</b>                 | <a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>                                                                                                                                                  |
| <b>CONTROL TRAVEL DIAGRAM</b>     | <a href="#">eaton-operating-diagram-contact-travel-diagram.eps</a>                                                                                                                                                                                        |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">DA-DC-00004157.pdf</a><br><a href="#">DA-DC-00004135.pdf</a>                                                                                                                                                                                  |
| <b>DRAWINGS</b>                   | <a href="#">eaton-operating-c22-pushbutton-dimensions-004.eps</a><br><a href="#">eaton-operating-c22-pushbutton-3d-drawing.eps</a><br><a href="#">eaton-operating-button-symbol-013.eps</a><br><a href="#">eaton-operating-devices-3d-drawing-170.eps</a> |
| <b>ECAD MODEL</b>                 | <a href="#">DA-CE-ETN.C22-DR-W-K10-P62</a>                                                                                                                                                                                                                |
| <b>FLYERS</b>                     | <a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>                                                                                                                                                                                 |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">IL047016ZU</a>                                                                                                                                                                                                                                |
| <b>INSTALLATION VIDEOS</b>        | <a href="#">Eaton's RMQ compact solution pilot devices</a>                                                                                                                                                                                                |
| <b>MCAD MODEL</b>                 | <a href="#">DA-CD-c22 d open cable</a><br><a href="#">DA-CS-c22 d open cable</a>                                                                                                                                                                          |
| <b>SALES NOTES</b>                | <a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a>                                                                                                                                                                      |
| <b>WIRING DIAGRAMS</b>            | <a href="#">eaton-operating-c22-pushbutton-wiring-diagram-002.eps</a>                                                                                                                                                                                     |

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



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