Specifications



Photo is representative





Eaton 188176

Eaton Moeller® series M30 Key-operated actuator, Flat Front, momentary, 2 positions, MS5, Key withdrawable: 0, Bezel: stainless steel

| General specifications | |
|-------------------------|--|
| PRODUCT NAME | Eaton Moeller® series M30 Key-operated actuator |
| CATALOG NUMBER | 188176 |
| MODEL CODE | M30I-FWS-MS5 |
| EAN | 4015081858408 |
| PRODUCT LENGTH/DEPTH | 36 mm |
| PRODUCT HEIGHT | 67 mm |
| PRODUCT WIDTH | 46 mm |
| PRODUCT WEIGHT | 0.06 kg |
| CERTIFICATIONS | IEC/EN 60947 VDE 0660 CSA file No. 012528 CSA Class No.: 3211-03 DNV UL File No.: E29184 GL IEC/EN 60947-5 UL 508 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 CE marking UL Category Control No.: NKCR UL Listed CSA certified |
| GLOBAL CATALOG | 188176 |



| Product specification | S |
|--|--|
| ТҮРЕ | Key-operated button |
| ACCESSORIES | 1 key included with supplied equipment. |
| ACTUATOR COLOR | Black |
| ACTUATOR FUNCTION | Key withdrawable in position 0 Momentary Spring-return |
| 10.10 TEMPERATURE RISE | Not applicable. |
| 10.11 SHORT-CIRCUIT RATING | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 ELECTROMAGNETIC COMPATIBILITY | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 MECHANICAL FUNCTION | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| 10.2.2 CORROSION RESISTANCE | Meets the product standard's requirements. |
| 10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES | Meets the product standard's requirements. |
| 10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT | Meets the product standard's requirements. |
| 10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS | Meets the product standard's requirements. |
| 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION | Please enquire |
| 10.2.5 LIFTING | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 MECHANICAL IMPACT | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 INSCRIPTIONS | Meets the product standard's requirements. |

| Resources | |
|------------------------------|--|
| CATALOGS | eaton-rmq-titan-brochure- br047004en-en-us.pdf |
| | eaton-pushbuttons-signal- towers-sensors-assortment- overview-catalog- ca047003en-en-us.pdf |
| | Flip catalog - Product Range Catalog - Command and indication |
| DECLARATIONS OF CONFORMITY | eaton-key-operated- actuator-declaration-of- conformity-eu250863en.pdf |
| | eaton-key-operated- actuator-declaration-of- conformity-eu250864en.pdf |
| DRAWINGS | eaton-operating-m30-key- operated-actuator- dimensions-002.eps |
| | eaton-operating-m30-key- operated-actuator- dimensions.eps |
| | eaton-operating-m30- dimensions-006.eps |
| | eaton-operating-m30- dimensions-005.eps |
| | eaton-operating-m30- dimensions-004.eps |
| | eaton-general-m22- symbol.eps |
| | eaton-general-approval- m22-symbol.eps |
| | eaton-operating-m30-key- operated-actuator-3d- drawing.eps |
| ECAD MODEL | ETN.188176.edz |
| FLYERS | eaton-rmq-titan-selection- aid-brochure-fl047002-en- us.pdf |
| INSTALLATION INSTRUCTIONS | eaton-operating-devices- m30-rmq-titan-flat-front- instruction-leaflet- il047019zu.pdf |
| INSTALLATION VIDEOS | RMQ Flat Design |
| MCAD MODEL | DA-CD- schluesseltaste sa flatfront |

| 10.3 DEGREE OF PROTECTION OF ASSEMBLIES | Does not apply, since the entire switchgear needs to be evaluated. |
|--|--|
| 10.4 CLEARANCES AND CREEPAGE DISTANCES | Meets the product standard's requirements. |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS | Is the panel builder's responsibility. |
| 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS | Is the panel builder's responsibility. |
| 10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH | ls the panel builder's responsibility. |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE | ls the panel builder's responsibility. |
| 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL | ls the panel builder's responsibility. |
| FITTED WITH: | Front ring |
| ODED 4 211 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | |
| OPERATING FREQUENCY | 100 Operations/h |
| POLLUTION DEGREE | 100 Operations/h |
| | |
| POLLUTION DEGREE | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC |
| POLLUTION DEGREE CLIMATIC PROOFING CONNECTION TO | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Yes With SWD-RMQ |
| POLLUTION DEGREE CLIMATIC PROOFING CONNECTION TO SMARTWIRE-DT | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Yes With SWD-RMQ connections |
| POLLUTION DEGREE CLIMATIC PROOFING CONNECTION TO SMARTWIRE-DT ACTUATOR TYPE AMBIENT OPERATING | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Yes With SWD-RMQ connections Key |
| POLLUTION DEGREE CLIMATIC PROOFING CONNECTION TO SMARTWIRE-DT ACTUATOR TYPE AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Yes With SWD-RMQ connections Key 70 °C |
| POLLUTION DEGREE CLIMATIC PROOFING CONNECTION TO SMARTWIRE-DT ACTUATOR TYPE AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN EQUIPMENT HEAT DISSIPATION, CURRENT- | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Yes With SWD-RMQ connections Key 70 °C -25 °C |
| POLLUTION DEGREE CLIMATIC PROOFING CONNECTION TO SMARTWIRE-DT ACTUATOR TYPE AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID FORCE FOR POSITIVE | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Yes With SWD-RMQ connections Key 70 °C -25 °C |
| POLLUTION DEGREE CLIMATIC PROOFING CONNECTION TO SMARTWIRE-DT ACTUATOR TYPE AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID FORCE FOR POSITIVE OPENING - MIN HEAT DISSIPATION | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Yes With SWD-RMQ connections Key 70 °C -25 °C 0 W |

| | DA-CD- schluesseltaste ms flatfront DA-CS- schluesseltaste ms flatfront DA-CS- schluesseltaste sa flatfront |
|-------------|--|
| MULTIMEDIA | MCI Multicolor Light Indicator M22 with SmartWire-DT easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator |
| | RMQ small E-Stop emergency-stop button MCI MultiColor Light Indicator RMQ compact solution |
| SALES NOTES | eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf |

| DEPENDENT PVID OPENING DIAMETER 30 mm OPENING HEIGHT 0 mm OPERATING TORQUE 0.5 Nm RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS SWITCHING ANGLE 40 ° WIDTH OPENING 0 mm BEZEL COLOR Stainless steel SHOCK RESISTANCE 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal DESIGN RESISTANCE (Key operation lock mechanism Flat front MOUNTING POSITION As required OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION NEMA 4X, 13 DEGREE OF PROTECTION (FRONT SIDE) 1P66 FUNCTIONS 1P66 INDICATOR COLOR Other LENS TYPE ROUND INDICATOR COLOR 100,000 Operations NUMBER OF SWITCH POSITIONS 2 SIZE Front dimensions: Ø 36 mm PRODUCT CATEGORY RMQ-Titan | | |
|--|--|--|
| OPENING HEIGHT 0 mm OPERATING TORQUE 0.5 Nm RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS SWITCHING ANGLE 40 ° WIDTH OPENING 0 mm BEZEL COLOR Stainless steel 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal DESIGN Key operation lock mechanism Flat front MOUNTING POSITION As required OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION (FRONT SIDE) 1P66 FUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC-Y INDICATOR COLOR Other LENS TYPE Round LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS 2 SIZE Front dimensions: Ø 36 mm | DEPENDENT PVID | |
| OPERATING TORQUE RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS SWITCHING ANGLE WIDTH OPENING BEZEL COLOR SHOCK RESISTANCE SHOCK RESISTANCE SHOCK RESISTANCE MS5 BEZEL MATERIAL DESIGN MECHANICAL Metal Key operation lock mechanism Flat front MOUNTING POSITION OVERVOLTAGE CATEGORY DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS MIDICATOR COLOR LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS O M O M O M O M O M O M O M O | OPENING DIAMETER | 30 mm |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS SWITCHING ANGLE WIDTH OPENING BEZEL COLOR SHOCK RESISTANCE SHOCK RESISTANCE SHOCK RESISTANCE 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal Key operation lock mechanism Flat front MOUNTING POSITION As required OVERVOLTAGE CATEGORY DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC- Y INDICATOR COLOR LENS TYPE ROUND LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS SIZE Front dimensions: Ø 36 mm | OPENING HEIGHT | 0 mm |
| CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS SWITCHING ANGLE 40 ° WIDTH OPENING 0 mm BEZEL COLOR Stainless steel SHOCK RESISTANCE 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal Key operation lock mechanism Flat front MOUNTING POSITION As required OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION NEMA 4X, 13 DEGREE OF PROTECTION (FRONT SIDE) Stay-put/spring-return function, can be changed with coding parts M22-XC-Y INDICATOR COLOR Other LENS TYPE Round LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS 2 SIZE Front dimensions: Ø 36 mm | OPERATING TORQUE | 0.5 Nm |
| DISSIPATION, NON-CURRENT-DEPENDENT PVS SWITCHING ANGLE 40 ° WIDTH OPENING 0 mm BEZEL COLOR Stainless steel 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal DESIGN Key operation lock mechanism Flat front MOUNTING POSITION As required OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION NEMA 4X, 13 DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC-Y INDICATOR COLOR Other LENS TYPE Round LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS SIZE Front dimensions: Ø 36 mm | CURRENT FOR SPECIFIED | 0 A |
| ## SHOCK RESISTANCE SHOCK RESISTANCE SHOCK RESISTANCE SHOCK RESISTANCE 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE | DISSIPATION, NON- CURRENT-DEPENDENT | 0 W |
| BEZEL COLOR Stainless steel 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal Metal Key operation lock mechanism Flat front MOUNTING POSITION As required OVERVOLTAGE CATEGORY DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC-Y INDICATOR COLOR LENS TYPE ROUND LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS STAY POSITIONS Pront dimensions: Ø 36 mm | SWITCHING ANGLE | 40 ° |
| SHOCK RESISTANCE 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal Key operation lock mechanism Flat front MOUNTING POSITION OVERVOLTAGE CATEGORY DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS IP66 Stay-put/spring-return function, can be changed with coding parts M22-XC- Y INDICATOR COLOR LENS TYPE Round LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS 15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal Key operation lock mechanism Flat front As required OVERVOLTAGE UII DEGREE OF PROTECTION (FRONT SIDE) Stay-put/spring-return function, can be changed with coding parts M22-XC- Y INDICATOR COLOR Other LENS TYPE Round LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS 2 SIZE Front dimensions: Ø 36 mm | WIDTH OPENING | 0 mm |
| SHOCK RESISTANCE According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 KEY CODE MS5 BEZEL MATERIAL Metal Key operation lock mechanism Flat front MOUNTING POSITION OVERVOLTAGE CATEGORY DEGREE OF PROTECTION (FRONT SIDE) IP66 Stay-put/spring-return function, can be changed with coding parts M22-XC- Y INDICATOR COLOR LENS TYPE Round LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical Ney operation lock mechanism Flat front NEMA 4X, 13 IP66 Stay-put/spring-return function, can be changed with coding parts M22-XC- Y INDICATOR COLOR Other LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS 2 Front dimensions: Ø 36 mm | BEZEL COLOR | Stainless steel |
| BEZEL MATERIAL Metal Key operation lock mechanism Flat front MOUNTING POSITION As required OVERVOLTAGE CATEGORY DEGREE OF PROTECTION NEMA 4X, 13 DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC-Y INDICATOR COLOR LENS TYPE Round LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS SIZE Front dimensions: Ø 36 mm | SHOCK RESISTANCE | According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to |
| DESIGNKey operation lock mechanism Flat frontMOUNTING POSITIONAs requiredOVERVOLTAGE CATEGORYIIIDEGREE OF PROTECTION (FRONT SIDE)NEMA 4X, 13PEGREE OF PROTECTION (FRONT SIDE)Stay-put/spring-return function, can be changed with coding parts M22-XC-YINDICATOR COLOROtherLENS TYPERoundLIFESPAN, MECHANICAL100,000 OperationsNUMBER OF SWITCH POSITIONS2SIZEFront dimensions: Ø 36 mm | KEY CODE | MS5 |
| DESIGN mechanism Flat front MOUNTING POSITION As required OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION (FRONT SIDE) NEMA 4X, 13 PUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC-Y INDICATOR COLOR Other LENS TYPE Round LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS 2 SIZE Front dimensions: Ø 36 mm | BEZEL MATERIAL | Metal |
| OVERVOLTAGE CATEGORY DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC- Y INDICATOR COLOR LENS TYPE Round LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS Pront dimensions: Ø 36 mm | DESIGN | mechanism |
| DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS PUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC- Y INDICATOR COLOR LENS TYPE Round LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS Pront dimensions: Ø 36 mm | MOUNTING POSITION | As required |
| DEGREE OF PROTECTION (FRONT SIDE) FUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC-Y INDICATOR COLOR Construction of the state of the st | | III |
| FUNCTIONS Stay-put/spring-return function, can be changed with coding parts M22-XC-Y INDICATOR COLOR CHARGE CHARGE CHARGE CHARGE Stay-put/spring-return function, can be changed with coding parts M22-XC-Y Other LENS TYPE Round LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS SIZE Front dimensions: Ø 36 mm | DEGREE OF PROTECTION | NEMA 4X, 13 |
| FUNCTIONS function, can be changed with coding parts M22-XC-Y INDICATOR COLOR Other LENS TYPE Round LIFESPAN, MECHANICAL NUMBER OF SWITCH POSITIONS SIZE Front dimensions: Ø 36 mm | | IP66 |
| LENS TYPE Round LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS SIZE Front dimensions: Ø 36 mm | FUNCTIONS | function, can be changed with coding parts M22-XC- |
| LIFESPAN, MECHANICAL 100,000 Operations NUMBER OF SWITCH POSITIONS 2 SIZE Front dimensions: Ø 36 mm | INDICATOR COLOR | Other |
| NUMBER OF SWITCH POSITIONS 2 SIZE Front dimensions: Ø 36 mm | LENS TYPE | Round |
| POSITIONS 2 SIZE Front dimensions: Ø 36 mm | LIFESPAN, MECHANICAL | 100,000 Operations |
| SIZE mm | | 2 |
| PRODUCT CATEGORY RMQ-Titan | SIZE | |
| | PRODUCT CATEGORY | RMQ-Titan |

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



Eaton Corporation plc

Eaton House 30 Pembroke Road Dublin 4, Ireland Eaton.com

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.









