

Contact element, Screw terminals, Base fixing, 1 N/O, 24 V 3 A, 220 V 230 V 240 V 6 A



**Part no.** M22-KC10  
**216380**  
**EL Number** 4355365  
**(Norway)**

|   |  |
|---|--|
| Product name                              | Eaton Moeller® series M22 Accessory Contact element  |
| Part no.                                  | M22-KC10   |
| EAN                                       | 4015082163808  |
| Product Length/Depth                      | 38 millimetre  |
| Product height                            | 10 millimetre  |
| Product width                             | 32 millimetre  |
| Product weight                            | 0.01 kilogram  |
| Compliances                               | CE Marked  |
| Certifications                            | IEC 60947-5<br>UL 508<br>EN 60947-5<br>CSA Std. C22.2 No. 94-91<br>CSA Std. C22.2 No. 14-05<br>VDE<br>UL Category Control No.: NKCR<br>CSA Class No.: 3211-03<br>IEC/EN 60947-5<br>UL File No.: E29184<br>CSA File No.: 012528<br>CE<br>CSA<br>CSA-C22.2 No. 14-05<br>IEC 60947-5-1<br>CSA-C22.2 No. 94-91<br>UL |
| Product Tradename                         | M22  |
| Product Type                              | Accessory  |
| Product Sub Type                          | Contact element  |
| Color                                     | Green  |
| Electric connection type                  | Screw connection   |
| Degree of protection                      | IP20   |
| Lifespan, electrical                      | 1,200,000 Operations (at 12 V, DC-13, 2.8 A)<br>1,000,000 Operations (at 230 V, AC-15, 1 A)<br>1,600,000 Operations (at 230 V, 0.5 A)<br>700,000 Operations (at 230 V, AC-15, 3 A)   |
| Lifespan, mechanical                      | 5,000,000 Operations   |
| Model                                     | Top mounting   |
| Mounting method                           | Floor fastening  |
| Operating frequency                       | 3600 Operations/h  |
| Operating torque                          | 0.8 N-m  |
| Overvoltage category                      | III  |
| Pollution degree                          | 3  |
| Rated impulse withstand voltage (Uimp)    | 6000 V AC  |
| Shock resistance                          | 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms   |
| Ambient operating temperature - min       | -25 °C   |
| Ambient operating temperature - max       | 70 °C  |
| Climatic proofing                         | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78   |
| Terminal capacity (flexible with ferrule) | 0.5 - 1.5 mm <sup>2</sup>  |

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| Terminal capacity (solid)  |  | 0.75 - 2.5 mm <sup>2</sup>   |
| Terminal capacity (stranded)   |  | 0.5 - 2.5 mm <sup>2</sup>  |
|  |  |  |
| Rated insulation voltage (Ui)  |  | 500 V  |
| Rated operational current (Ie) at AC-15, 115 V                                   |  | 6 A  |
| Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V                     |  | 6 A  |
| Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V                     |  | 4 A  |
| Rated operational current (Ie) at AC-15, 500 V                                   |  | 2 A  |
| Rated operational current (Ie) at DC-13, 110 V                                   |  | 0.6 A  |
| Rated operational current (Ie) at DC-13, 220 V, 230 V                            |  | 0.3 A  |
| Rated operational current (Ie) at DC-13, 24 V                                    |  | 3 A  |
| Rated operational current (Ie) at DC-13, 42 V                                    |  | 1.7 A  |
| Rated operational current (Ie) at DC-13, 60 V                                    |  | 1.2 A  |
|  |  |  |
| Short-circuit protection   |  | PKZM0-10/FAZ-B6/1, Contacts, Max. short-circuit protective device, Fuseless  |
| Short-circuit protection rating  |  | Max. 10 A gG/gL, Fuse, Contacts  |
|  |  |  |
| Connection to SmartWire-DT   |  | No   |
| Connection type  |  | Base fixing<br>Single contact<br>Screw connection  |
|  |  |  |
| Actuating force - max  |  | 5 N  |
|  |  |  |
| Control circuit reliability  |  | 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA)<br>1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA) |
| Force for positive opening - min   |  | 0 N  |
| Number of contacts (change-over contacts)  |  | 0  |
| Number of contacts (normally closed contacts)                                    |  | 0  |
| Number of contacts (normally open contacts)                                      |  | 1  |
|  |  |  |
| Equipment heat dissipation, current-dependent Pvid                               |  | 0 W  |
| Heat dissipation capacity Pdis   |  | 0 W  |
| Heat dissipation per pole, current-dependent Pvid                                |  | 0.11 W   |
| Rated operational current for specified heat dissipation (In)                    |  | 6 A  |
| Static heat dissipation, non-current-dependent Pvs                               |  | 0 W  |
| 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                                 |  | Meets the product standard's requirements.   |
| 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.   |
| 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   |  | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage   |  | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material                         |  | Is the panel builder's responsibility.   |
| 10.10 Temperature rise   |  | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.   |

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| 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. |

## Technical data ETIM 8.0

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| Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)  |  |   |                  |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss10.0.1-27-37-13-02 [AKN342013]) |  |   |                  |
| Number of contacts as change-over contact  |  |   | 0                |
| Number of contacts as normally open contact  |  |   | 1                |
| Number of contacts as normally closed contact  |  |   | 0                |
| Number of fault-signal switches  |  |   | 0                |
| Rated operation current I <sub>e</sub> at AC-15, 230 V   |  | A | 6                |
| Type of electric connection  |  |   | Screw connection |
| Model  |  |   | Top mounting     |
| Mounting method  |  |   | Floor fastening  |
| Lamp holder  |  |   | None             |