

Pressure switch, 1W, 25bar



Part no. MCS22
098019
EL Number 4356107
(Norway)

| General specifications | |
|--|---|
| Product name | Eaton Moeller® series MCS Pressure switch |
| Part no. | MCS22 |
| EAN | 4015080980193 |
| Product Length/Depth | 96 millimetre |
| Product height | 111 millimetre |
| Product width | 60 millimetre |
| Product weight | 0.383 kilogram |
| Certifications | IEC/EN 60947-5-1 CSA Class No.: 3211-06 CSA File No.: 012528 CSA-CC22.2 No. 14 CSA |
| Product Tradename | MCS |
| Product Type | Pressure switch |
| Product Sub Type | None |
| Catalog Notes | Note on use: This product complies with Low-Voltage Directive 2014/35/EC and EMC Directive 2014/30/EC and meets the requirements in EN 60947-5-1. This product does not meet the rail industry's standard requirements. Accordingly, the user must review it separately for the specific application at hand. |
| Features & Functions | |
| Electric connection type | Screw connection |
| Features | Variable switching differential |
| General information | |
| Actuator diameter | 0 mm |
| Bursting pressure | 90 bar |
| Connection | Inner thread gas cylindrical (BSPP) |
| Connection type | Tunnel terminal |
| Degree of protection | IP65 NEMA Other |
| Lifespan, electrical | 1,000,000 Operations |
| Operating frequency | 1500 Operations/h |
| Operating pressure - max | 25000 hPa |
| Overvoltage category | III |
| Pollution degree | 3 |
| Product category | Pressure switches |
| Rated impulse withstand voltage (Uimp) | 4000 V AC |
| Suitable as | Guard 2-point controller |
| Test pressure | 32 bar |
| Ambient conditions, mechanical | |
| Mounting position | Vertical and 90° in all directions |
| Shock resistance | 10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms |
| Vibration resistance | 36 Hz, Amplitude 1 mm, (IEC/EN 60068-2-6) |
| Climatic environmental conditions | |
| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 70 °C |
| Climatic proofing | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Environmental conditions | Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand. |
| Terminal capacities | |

| | | |
|---|--|--|
| Terminal capacity (flexible with ferrule) | | 1 x (0.5 - 1.5) mm ² , ferrules to DIN 46228 |
| Terminal capacity (solid) | | 2 x (0.75 - 1.5) mm ² 1 x (0.75 - 2.5) mm ² |
| Screw size | | M3, Terminal screw |
| Tightening torque | | 0.5 Nm, Screw terminals |
| Electrical rating | | |
| Rated frequency - max | | 50 Hz |
| Rated insulation voltage (Ui) | | 400 V |
| Rated operational current (Ie) | | 0.25 A at DC-13, 110 V 2 A at AC-15, 230 V, 50/60Hz 2 A at DC-13, 24 V |
| Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V | | 0 A |
| Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V | | 0 A |
| Rated operational power at AC-3, 380/400 V, 50 Hz | | 0 kW |
| Rated operational voltage (Ue) at AC - min | | 0 V |
| Rated operational voltage (Ue) at AC - max | | 230 V |
| Rated operational voltage (Ue) at DC - min | | 0 V |
| Rated operational voltage (Ue) at DC - max | | 110 V |
| Short-circuit rating | | |
| Short-circuit protection | | PKZM0-6,3, Fuseless |
| Short-circuit protection rating | | Max. 10 A gG/gL, Fuse, Contacts |
| Contacts | | |
| Number of auxiliary contacts (change-over contacts) | | 1 |
| Number of auxiliary contacts (normally closed contacts) | | 0 |
| Number of auxiliary contacts (normally open contacts) | | 0 |

Technical data ETIM 9.0

| | | |
|---|-----|--|
| Low-voltage industrial components (EG000017) / Pressure switch (EC000243) | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Monitoring equipment (low-voltage switch technology) / Pressure monitoring equipment (ecl@ss13-27-37-18-14 [AKF108019]) | | |
| Suitable as guard | | Yes |
| Suitable as 2-point controller | | Yes |
| Suitable as limiter | | No |
| Max. operating pressure | hPa | 25000 |
| Engaging pressure | bar | 0 - 21 |
| Initial setting | hPa | 0 - 0 |
| Switch off pressure | bar | 0 - 22 |
| End setting | hPa | 0 - 0 |
| Pressure-switching differential | bar | 0 |
| Max. test pressure | bar | 32 |
| Bursting pressure | bar | 90 |
| Medium temperature | °C | 25 - 80 |
| Connection | | Internal thread cylindrical BSPP-G (ISO 228-1) |
| Thread size | | 1/2 inch |
| Rated voltage Ue at AC 50 Hz | V | 0 - 230 |
| Rated voltage Ue at AC 60 Hz | V | 0 - 230 |
| Rated voltage Ue at DC | V | 0 - 110 |
| Initial value measuring range pressure | Pa | 0 |
| End value measuring range pressure | Pa | 0 |
| Rated operation power at AC-3, 400 V | kW | 0 |
| Switching capacity at AC-3, 240 V | kA | 0 |
| Rated operation current Ie at AC-1, 400 V | A | 0 |
| Rated operation current Ie at AC-3, 400 V | A | 0 |
| Number of auxiliary contacts as normally open contact | | 0 |
| Number of auxiliary contacts as normally closed contact | | 0 |
| Number of auxiliary contacts as change-over contact | | 1 |

| | | | |
|--|--|----|------------------|
| Type of electric connection | | | Screw connection |
| Number of normally closed contacts as main contact | | | 0 |
| Number of normally open contacts as main contact | | | 0 |
| Adjustable current range | | A | 0 - 0 |
| With hand operation | | | No |
| With manual on/off switch | | | No |
| Electronic version | | | No |
| With display | | | No |
| Explosion-proof | | | No |
| Degree of protection (IP) | | | IP65 |
| Degree of protection (NEMA) | | | Other |
| Height | | mm | 111 |
| Width | | mm | 60 |
| Diameter | | mm | 0 |
| Depth | | mm | 96 |