

# Specifications



## Eaton 058693

Eaton Moeller® series MCS Pressure switch, 1W gold-plated, 7bar

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series MCS Pressure switch
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<b>CATALOG NUMBER</b>	058693
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<b>MODEL CODE</b>	MCS4-G
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<b>EAN</b>	4015080586937
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<b>PRODUCT LENGTH/DEPTH</b>	96 mm
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<b>PRODUCT HEIGHT</b>	111 mm
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<b>PRODUCT WIDTH</b>	60 mm
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<b>PRODUCT WEIGHT</b>	0.383 kg
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<b>CERTIFICATIONS</b>	IEC/EN 60947-5-1 CSA Class No.: 3211-06 CSA File No.: 012528 CSA-CC22.2 No. 14 CSA
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### 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.
- If required: pressure pipe flange R ½"



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## Product specifications

<b>SUITABLE AS</b>	Guard 2-point controller
<b>FEATURES</b>	Variable switching differential
<b>THREAD SIZE</b>	1/2 inch 1/4 inch
<b>ELECTRIC CONNECTION TYPE</b>	Screw connection
<b>OPERATING FREQUENCY</b>	1500 Operations/h
<b>POLLUTION DEGREE</b>	3
<b>ACTUATOR DIAMETER</b>	0 mm
<b>ADJUSTABLE CURRENT RANGE - MAX</b>	0 A
<b>ADJUSTABLE CURRENT RANGE - MIN</b>	0 A
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>BURSTING PRESSURE</b>	90 bar
<b>END SETTING - MAX</b>	0 hPa
<b>END SETTING - MIN</b>	0 hPa
<b>END VALUE MEASURING RANGE PRESSURE</b>	0 Pa
<b>ENGAGING PRESSURE - MAX</b>	4.2 bar
<b>ENGAGING PRESSURE - MIN</b>	0 bar
<b>INITIAL SETTING - MAX</b>	0 hPa
<b>INITIAL SETTING - MIN</b>	0 hPa
<b>INITIAL VALUE MEASURING RANGE PRESSURE</b>	0 Pa
<b>MEDIUM TEMPERATURE - MAX</b>	80 °C
<b>MEDIUM TEMPERATURE - MIN</b>	25 °C
<b>NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)</b>	1
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	0
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY</b>	0

## Resources

<b>CATALOGS</b>	<a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>
<b>CHARACTERISTIC CURVE</b>	<a href="#">eaton-pressure-switches-diagram-mcs-pressure-switch-characteristic-curve.eps</a>
<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">DA-DC-00004159.pdf</a> <a href="#">DA-DC-00004137.pdf</a>
<b>DRAWINGS</b>	<a href="#">eaton-pressure-switches-mcs-pressure-switch-dimensions.eps</a> <a href="#">eaton-pressure-switches-switch-mcs-pressure-switch-dimensions.eps</a> <a href="#">eaton-pressure-switches-switch-mcs-pressure-switch-dimensions-003.eps</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">IL05212001Z</a>
<b>MCAD MODEL</b>	<a href="#">mcs_n.dwg</a> <a href="#">mcs_n.stp</a>

<b>OPEN CONTACTS)</b>	
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
<b>DEGREE OF PROTECTION</b>	IP65 NEMA Other
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	4000 V AC
<b>ENVIRONMENTAL CONDITIONS</b>	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.
<b>CONNECTION</b>	Inner thread gas cylindrical (BSPP)
<b>MOUNTING POSITION</b>	Vertical and 90° in all directions
<b>CONNECTION TYPE</b>	Tunnel terminal
<b>OVERVOLTAGE CATEGORY</b>	III
<b>LIFESPAN, ELECTRICAL</b>	1,000,000 Operations
<b>NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT</b>	0
<b>NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)</b>	0
<b>OPERATING PRESSURE - MAX</b>	7000 hPa
<b>PRESSURE DIFFERENTIAL</b>	0 bar
<b>RATED FREQUENCY - MAX</b>	50 Hz
<b>RATED INSULATION VOLTAGE (UI)</b>	400 V
<b>RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V</b>	0 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>	0 A
<b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>	0 kW
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	230 V

<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN</b>	0 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX</b>	110 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN</b>	0 V
<b>SWITCH OFF PRESSURE - MAX</b>	4.5 bar
<b>SWITCH OFF PRESSURE - MIN</b>	0 bar
<b>SWITCHING CAPACITY AT AC-3, 240 V</b>	0 kA
<b>TEST PRESSURE</b>	32 bar
<b>PRODUCT CATEGORY</b>	Pressure switches
<b>SCREW SIZE</b>	M3, Terminal screw
<b>RATED OPERATIONAL CURRENT (IE)</b>	2 A at DC-13, 24 V 0.25 A at DC-13, 110 V 2 A at AC-15, 230 V, 50/60Hz
<b>SHOCK RESISTANCE</b>	10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
<b>SHORT-CIRCUIT PROTECTION</b>	PKZM0-6,3, Fuseless
<b>SHORT-CIRCUIT PROTECTION RATING</b>	Max. 10 A gG/gL, Fuse, Contacts
<b>TERMINAL CAPACITY (SOLID)</b>	2 x (0.75 - 1.5) mm <sup>2</sup> 1 x (0.75 - 2.5) mm <sup>2</sup>
<b>TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)</b>	1 x (0.5 - 1.5) mm <sup>2</sup> , ferrules to DIN 46228
<b>TIGHTENING TORQUE</b>	0.5 Nm, Screw terminals
<b>VIBRATION RESISTANCE</b>	36 Hz, Amplitude 1 mm, (IEC/EN 60068-2-6)

