

Specifications



Eaton 019711

Eaton Moeller® series MCS Pressure switch,
1W, 7bar, 0.2bar

General specifications

PRODUCT NAME	Eaton Moeller® series MCS Pressure switch
CATALOG NUMBER	019711
MODEL CODE	MCS4
EAN	4015080197119
PRODUCT LENGTH/DEPTH	96 mm
PRODUCT HEIGHT	111 mm
PRODUCT WIDTH	60 mm
PRODUCT WEIGHT	0.383 kg
CERTIFICATIONS	IEC/EN 60947-5-1

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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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)

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

Features & functions

ELECTRIC CONNECTION TYPE	Screw connection
FEATURES	Variable switching differential

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °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.

Electrical rating

RATED FREQUENCY - MAX	50 Hz
RATED INSULATION VOLTAGE (UI)	400 V
RATED OPERATIONAL CURRENT (IE)	2 A at DC-13, 24 V 2 A at AC-15, 230 V, 50/60Hz 0.25 A at DC-13, 110 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	230 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN	0 V
RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	110 V
RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN	0 V

General information

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 -	7000 hPa

Short-circuit rating

SHORT-CIRCUIT PROTECTION	PKZM0-6,3, Fuseless
SHORT-CIRCUIT PROTECTION RATING	Max. 10 A gG/gL, Fuse, Contacts

MAX

OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	Pressure switches
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V AC
SUITABLE AS	2-point controller Guard
TEST PRESSURE	32 bar

Terminal capacities

SCREW SIZE	M3, Terminal screw
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
TIGHTENING TORQUE	0.5 Nm, Screw terminals

Resources

CATALOGUES	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
CHARACTERISTIC CURVE	eaton-pressure-switches-diagram-mcs-pressure-switch-characteristic-curve.eps
DECLARATIONS OF CONFORMITY	eaton-pressure-switch-declaration-of-conformity-eu251557en.pdf eaton-pressure-switch-declaration-of-conformity-uk251028en.pdf
DRAWINGS	eaton-pressure-switches-mcs-pressure-switch-dimensions.eps eaton-pressure-switches-switch-mcs-pressure-switch-dimensions-003.eps eaton-pressure-switches-switch-mcs-pressure-switch-dimensions-002.eps eaton-pressure-switches-switch-mcs-pressure-switch-dimensions.eps
INSTALLATION INSTRUCTIONS	IL05212001Z
MCAD MODEL	eaton-pressure-switches-mcad-drawings-mcs-n.dwg mcs_n.stp

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

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