

Eaton 048187

Eaton Moeller® series MCS Pressure switch,
3p, 25bar MCSN22

PRODUCT NAME	Eaton Moeller® series MCS Pressure switch
CATALOG NUMBER	048187
PRODUCT LENGTH/DEPTH	96 mm
PRODUCT HEIGHT	111 mm
PRODUCT WIDTH	60 mm
PRODUCT WEIGHT	0.467 kg
CERTIFICATIONS	CSA CSA Class No.: 3211-06 CSA File No.: 012528 IEC/EN 60947-4-1 CSA-CC22.2 No. 14
CATALOG NOTES	<ul style="list-style-type: none">• 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 ¼"

SUITABLE AS	Guard 2-point controller
FEATURES	Variable switching differential
THREAD SIZE	1/2 inch
ELECTRIC CONNECTION TYPE	Screw connection
OPERATING FREQUENCY	1500 Operations/h
POLLUTION DEGREE	3
ACTUATOR DIAMETER	0 mm
ADJUSTABLE CURRENT RANGE - MAX	0 A
ADJUSTABLE CURRENT RANGE - MIN	0 A
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BURSTING PRESSURE	90 bar
COORDINATION TYPE	1
END SETTING - MAX	0 hPa
END SETTING - MIN	0 hPa
END VALUE MEASURING RANGE PRESSURE	0 Pa
ENGAGING PRESSURE - MAX	18.5 bar
ENGAGING PRESSURE - MIN	0 bar
INITIAL SETTING - MAX	0 hPa
INITIAL SETTING - MIN	0 hPa
INITIAL VALUE MEASURING RANGE PRESSURE	0 Pa
MEDIUM TEMPERATURE - MAX	80 °C
MEDIUM TEMPERATURE - MIN	25 °C
NUMBER OF AUXILIARY CONTACTS (CHANGE- OVER CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY	0

CHARACTERISTIC CURVE	eaton-pressure-switches- diagram-mcs-pressure- switch-characteristic- curve-007.eps
DECLARATIONS OF CONFORMITY	DA-DC-00004628.pdf DA-DC-00004633.pdf
MCAD MODEL	mcs_n.dwg mcs_n.stp IL05212001Z
	eaton-pressure-switches- switch-mcs-pressure- switch-dimensions.eps
	eaton-pressure-switches- switch-mcs-pressure- switch-dimensions- 004.eps
	eaton-pressure-switches- mcs-pressure-switch- dimensions.eps
	eaton-pressure-switches- switch-mcs-pressure- switch-3d-drawing.eps

OPEN CONTACTS)	
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
DEGREE OF PROTECTION	IP65 NEMA Other
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V AC
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.
CONNECTION	Inner thread gas cylindrical (BSPP)
MOUNTING POSITION	Vertical and 90° in all directions
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Flat terminal with clamping washer
OVERVOLTAGE CATEGORY	III
LIFESPAN, ELECTRICAL	500,000 Operations
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	3
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	0
OPERATING PRESSURE - MAX	25000 hPa
PRESSURE DIFFERENTIAL	0 bar
RATED FREQUENCY - MAX	50 Hz
RATED INSULATION VOLTAGE (UI)	400 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	11.5 A
RATED OPERATIONAL POWER AT AC-3, 220/230	4 kW

V, 50 HZ	
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	5.5 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	400 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN	0 V
RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	250 V
RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN	0 V
SWITCH OFF PRESSURE - MAX	22 bar
SWITCH OFF PRESSURE - MIN	0 bar
SWITCHING CAPACITY AT AC-3, 240 V	0 kA
TEST PRESSURE	32 bar
PRODUCT CATEGORY	Pressure switches
NUMBER OF POLES	Three-pole
SCREW SIZE	M4, Terminal screw
RATED OPERATIONAL CURRENT (IE)	2 A at DC-3, 250 V 15 A at AC-3, 230 V 11.5 A at AC-3, 400 V 16 A at DC-3, 24 V 12.5 A at DC-3, 110 V
SHOCK RESISTANCE	10 g, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms
SHORT-CIRCUIT PROTECTION	PKZM0-20, Fuseless
SHORT-CIRCUIT PROTECTION RATING	Max. 20 A gG/gL, Fuse, Contacts
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 2.5) mm ² 2 x (0.75 - 1.5) mm ²
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.5 - 1.5) mm ² , ferrules to DIN 46228 2 x (0.5 - 1.5) mm ²
TIGHTENING TORQUE	1.2 Nm, Screw terminals
VIBRATION RESISTANCE	36 Hz, Amplitude 1 mm, (IEC/EN 60068-2-6)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
:



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