

## Eaton 043441

Eaton Moeller® series MCS Pressure switch,  
3p, 25bar, relief valve MCSN16-V

<b>PRODUCT NAME</b>	Eaton Moeller® series MCS Pressure switch
<b>CATALOG NUMBER</b>	043441
<b>PRODUCT LENGTH/DEPTH</b>	96 mm
<b>PRODUCT HEIGHT</b>	111 mm
<b>PRODUCT WIDTH</b>	60 mm
<b>PRODUCT WEIGHT</b>	0.584 kg
<b>CERTIFICATIONS</b>	CSA File No.: 012528 IEC/EN 60947-4-1 CSA Class No.: 3211-06 CSA CSA-CC22.2 No. 14
<b>CATALOG NOTES</b>	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.

<b>SUITABLE AS</b>	Guard 2-point controller
<b>THREAD SIZE</b>	1/2 inch
<b>ELECTRIC CONNECTION TYPE</b>	Screw connection
<b>FITTED WITH:</b>	Relief valve
<b>OPERATING FREQUENCY</b>	1500 Operations/h
<b>POLLUTION DEGREE</b>	3
<b>FUNCTIONS</b>	For 6 mm Ermeto coupling
<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>COORDINATION TYPE</b>	1
<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>	13.1 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>	0
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	0
<b>NUMBER OF AUXILIARY</b>	0

<b>CHARACTERISTIC CURVE</b>	<a href="#">eaton-pressure-switches-diagram-mcs-pressure-switch-characteristic-curve-006.eps</a>
<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">DA-DC-00004633.pdf</a> <a href="#">DA-DC-00004628.pdf</a>
	<a href="#">IL05212001Z</a>
	<a href="#">eaton-pressure-switches-switch-mcs-pressure-switch-dimensions-005.eps</a> <a href="#">eaton-pressure-switches-switch-mcs-pressure-switch-dimensions.eps</a> <a href="#">eaton-pressure-switches-mcs-pressure-switch-dimensions.eps</a> <a href="#">eaton-pressure-switches-switch-mcs-pressure-switch-3d-drawing-002.eps</a>

<b>CONTACTS (NORMALLY OPEN CONTACTS)</b>	
<b>CLIMATIC PROOFING</b>	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<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>RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)</b>	1 kA
<b>CONNECTION TYPE</b>	Flat terminal with clamping washer
<b>OVERVOLTAGE CATEGORY</b>	III
<b>LIFESPAN, ELECTRICAL</b>	500,000 Operations
<b>NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT</b>	3
<b>NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)</b>	0
<b>OPERATING PRESSURE - MAX</b>	16000 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>	11.5 A
<b>RATED OPERATIONAL</b>	4 kW

<b>POWER AT AC-3, 220/230 V, 50 HZ</b>	
<b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>	5.5 kW
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	400 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN</b>	0 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX</b>	250 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN</b>	0 V
<b>SWITCH OFF PRESSURE - MAX</b>	16 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>NUMBER OF POLES</b>	Three-pole
<b>SCREW SIZE</b>	M4, Terminal screw
<b>RATED OPERATIONAL CURRENT (IE)</b>	15 A at AC-3, 230 V 11.5 A at AC-3, 400 V 2 A at DC-3, 250 V 12.5 A at DC-3, 110 V 16 A at DC-3, 24 V
<b>SHOCK RESISTANCE</b>	10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
<b>SHORT-CIRCUIT PROTECTION</b>	PKZM0-20, Fuseless
<b>SHORT-CIRCUIT PROTECTION RATING</b>	Max. 20 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>	2 x (0.5 - 1.5) mm <sup>2</sup> 1 x (0.5 - 1.5) mm <sup>2</sup> , ferrules to DIN 46228
<b>TIGHTENING TORQUE</b>	1.2 Nm, Screw terminals
<b>VIBRATION RESISTANCE</b>	36 Hz, Amplitude 1 mm, (IEC/EN 60068-2-6)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
:



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