

Pressure switch, 1W, 15bar

Part no. **MCS11-U**  
**090900**

<b>General specifications</b>		
Product name		Eaton Moeller® series MCS Pressure switch
Part no.		MCS11-U
EAN		4015080909002
Product Length/Depth		96 millimetre
Product height		111 millimetre
Product width		60 millimetre
Product weight		0.28 kilogram
Certifications		IEC/EN 60947-5-1
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.
<b>Features &amp; Functions</b>		
Electric connection type		Screw connection
Features		Variable switching differential
<b>General information</b>		
Actuator diameter		0 mm
Bursting pressure		90 bar
Connection		Inner thread gas cylindrical (BSPP)
Connection type		Tunnel terminal
Degree of protection		IP65 NEMA Other
Operating pressure - max		15000 hPa
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
<b>Ambient conditions, mechanical</b>		
Mounting position		As required
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)
<b>Climatic environmental conditions</b>		
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
<b>Terminal capacities</b>		
Terminal capacity (flexible with ferrule)		1 x (0.5 - 1.5) mm <sup>2</sup> , ferrules to DIN 46228
Terminal capacity (solid)		1 x (0.75 - 2.5) mm <sup>2</sup>
Screw size		M3, Terminal screw
Tightening torque		0.5 Nm, Screw terminals
<b>Electrical rating</b>		
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 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
<b>Short-circuit rating</b>		
Short-circuit protection rating		Max. 10 A gG/gL, Fuse, Contacts
<b>Contacts</b>		
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 (ecI@ss13-27-37-18-14 [AKF108019])		
Suitable as guard		Yes
Suitable as 2-point controller		Yes
Suitable as limiter		No
Max. operating pressure	hPa	15000
Engaging pressure	bar	0 - 10.4
Initial setting	hPa	0 - 0
Switch off pressure	bar	0 - 11
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