DATASHEET - MCS11-U



Pressure switch, 1W, 15bar

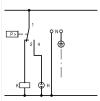
MCS11-U Part no. 090900 Catalog No. **Alternate Catalog** MCS11-U No.



Delivery program

Product range	Pressure switches with auxiliary contacts
Degree of Protection	IP65
	Variable switching differential

Notes



Features:

- Pressure pipe flange R ¼"
- If required: pressure pipe flange R ½"
 IP65 in conjunction with V-M20 cable gland

- Neoprene membrane, resistant to aging, air, engine oil, and water min. -25 °C, max. +80 °C

Cut-in and cut-out pressures are factory-preset as specified with type suffix: \Longrightarrow #203948

R ¼" corresponds to G ¼

R ½" corresponds to G ½ according to ISO 228-1

Auxiliary contact to IEC/EN 60947-1

Rated impulse withstand voltage Rated insulation voltage

Technical data

bar 32 Limatic profing Limitic profing	General			
buturing pressure Limatic proofing Limatic pro	Standards			IEC/EN 60947-5-1
Limitatic profing Ambient temperature Legree of Protection Anounting position Anounting position Anounting stance to IEC 60068-2-27 Anounting position Anounting stance to IEC 60068-2-27 Anounting position Anounting po	Test pressure		bar	32
Damp heat, cyclic, to IEC 60068-2-30 subject temperature 25 - 70 1P65 As required As required As required As required As required Applitude 1 Malf- sinusoidal shock resistance acc. to IEC/EN 60068-2-67 Applitude 1 Malf- mm mm² Solid Flexible with ferrules to DIN 46228 Ferminal capacities Flexible with ferrules to DIN 46228 Freminal screw Malf- mm² 1 x (0.75 - 2.5) mm² 1 x (0.5 - 1.5) Tunnel terminal male terminal Male minal terminal male minal terminal screw Male Male minal terminal Male minal	Rupturing pressure		bar	90
Pegree of Protection Abounting position Abounting p	Climatic proofing			
Mounting position As required	Ambient temperature			25 - 70
Mechanical shock resistance to IEC 60068-2-27 Mechanical shock resistance acc. to IEC/EN 60068-2-6 Amplitude 1 mm Mm2 Solid Flexible with ferrules to DIN 46228 erminal screw Maginature acc. to IEC/EN 60068-2-6 Mm2 1 x (0.75 - 2.5) Tunnel terminal Maginature acc. to IEC/EN 60068-2-6 Mm Maginature 1 m	Degree of Protection			IP65
sinusoidal shock 20 ms Tibration resistance acc. to IEC/EN 60068-2-6 Amplitude 1 mm mm² Solid Flexible with ferrules to DIN 46228 erminations er	Mounting position			As required
reminal capacities mm² 1 x (0.75 - 2.5) mm² 1 x (0.75 - 2.5) mm² 1 x (0.5 - 1.5) mm² mm²	Mechanical shock resistance to IEC 60068-2-27	sinusoidal	g	> 10
Solid mm² 1 x (0.75 - 2.5) Flexible with ferrules to DIN 46228 mm² 1 x (0.5 - 1.5) erminations erminal screw M3 Idjhtening torque of terminal screw Nm 0.5	Vibration resistance acc. to IEC/EN 60068-2-6		Hz	36
Flexible with ferrules to DIN 46228 mm² 1 x (0.5 - 1.5) terminations terminal screw Tunnel terminal M3 Tightening torque of terminal screw Nm 0.5	Terminal capacities		mm^2	
erminations Tunnel terminal M3 ightening torque of terminal screw Nm 0.5	Solid		mm ²	1 x (0.75 - 2.5)
ightening torque of terminal screw M3 M3 ightening torque of terminal screw Nm 0.5	Flexible with ferrules to DIN 46228		mm^2	1 x (0.5 - 1.5)
ightening torque of terminal screw Nm 0.5	Terminations			Tunnel terminal
	Terminal screw			M3
ontacts/switching capacity	Tightening torque of terminal screw		Nm	0.5
	Contacts/switching capacity			

V AC

4000

400

 U_{imp}

Ui

Overvoltage category/pollution degree			III/3
Max. short-circuit protective device			
Fuse	gG/gL	Α	10
DC-13			
Rated operational current			
24 V		Α	2
110 V		Α	0.25
Rated frequency	f	Hz	50

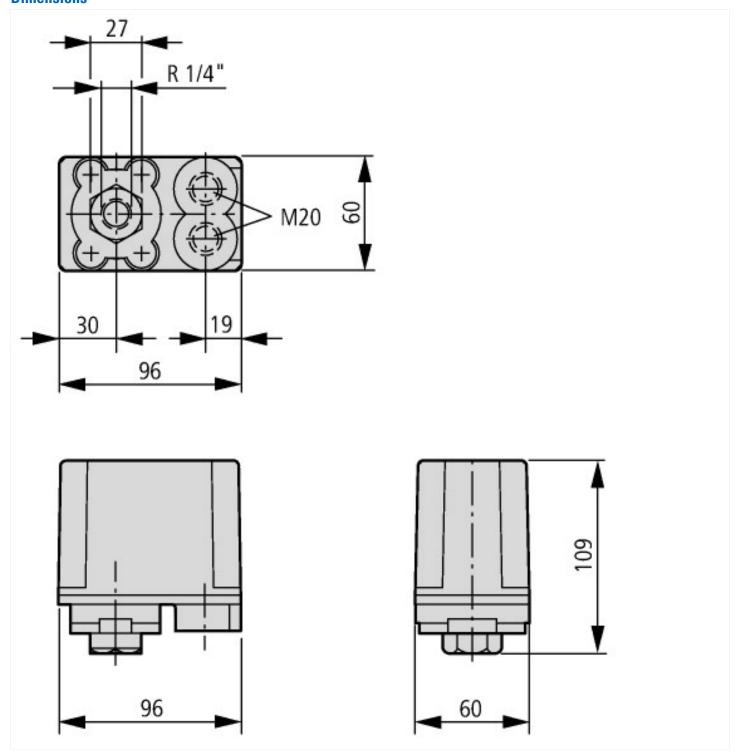
Design verification as per IEC/EN 61439

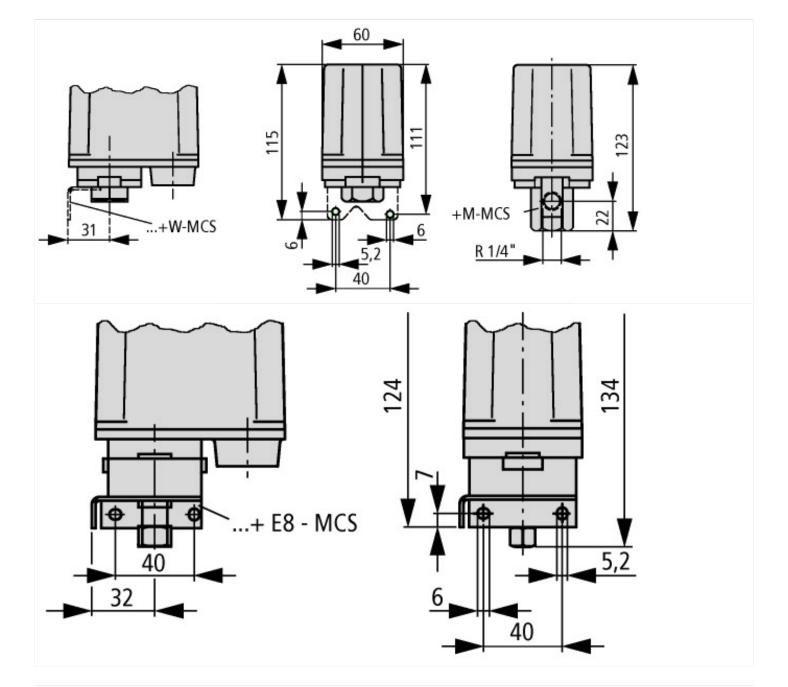
Technical data for design verification			
Operating ambient temperature min.	٥	°C	25
Operating ambient temperature max.	٥	°C	70

Technical data ETIM 7.0	Technical data ETIM 7.0			
Low-voltage industrial components (EG000017) / Pressure switch (EC000243)				
Electric engineering, automation, process control engineering / Low-voltage switch (ecl@ss10.0.1-27-37-18-14 [AKF108014])	technology / Monitorin	g equipment (low-voltage switch technology) / Pressure monitoring equipment		
Suitable as guard		Yes		
Suitable as 2-point controller		Yes		
Suitable as limiter		No		
Max. operation 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		Inner thread gas cylindrical (BSPP)		
Thread size		1/4 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 le at AC-1, 400 V	А	0		
Rated operation current le at AC-3, 400 V	А	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 main contacts as normally open contact		0		
Adjustable current range	А	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	100		

Width	mm	60
Diameter	mm	0
Depth	mm	96

Dimensions





Assets (links)

Declaration of CE Conformity

00002838

Instruction Leaflets

IL05212001Z2018_05

Additional product information (links)

IL05212001Z (AWA1320-0132) Pressure switch

IL05212001Z (AWA1320-0132) Pressure switch ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05212001Z2018_05.pdf