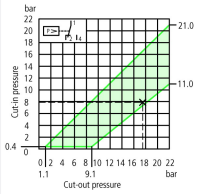


Pressure switch, 1W, 25bar

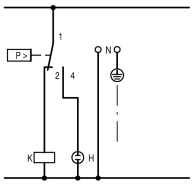
Part no. MCS22
Article no. 098019
Catalog No. MCS22

Powering Business Worldwide

Delivery programme

Product range			Pressure switches with auxiliary contacts
Degree of Protection			IP65
Contacts			1 changeover contact
Cut-in pressure and cut-out pressure: separate stepless adjustment. All the intersection points within the diagram area can be set.			
			
			Min. switching differential: 0.7 bar Example: Cut-out pressure 17.5 bar Cut-in pressure 7.8 bar
			Variable switching differential
Max. operating pressure		bar	25

Notes



Features:

- Pressure pipe flange R ¼"
- If required: pressure pipe flange R ½"
- IP65 in conjunction with V-M20 cable gland
- 1 Insulated protective conductor terminal
- 2 cable entry knockouts for M20
- 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: →#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

Technical data

General

Standards			IEC/EN 60947-5-1
Test pressure		bar	32
Rupturing pressure		bar	90
Operating frequency	Operations/h		1500
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			-25 - 70
Degree of Protection			IP65

Mounting position			As required
Mechanical shock resistance to IEC 60068-2-27	Half-sinusoidal shock 20 ms	g	> 10
Vibration resistance acc. to IEC/EN 60068-2-6	Amplitude 1 mm	Hz	36
lifespan	Operations	x 10^6	1
Terminal capacities		mm^2	
Solid		mm^2	1 x (0.75 - 2.5) 2 x (0.75 - 1.5)
Flexible with ferrules to DIN 46228		mm^2	1 x (0.5 - 1.5)
Terminations			Tunnel terminal
Terminal screw			M3
Tightening torque of terminal screw		Nm	0.5

Contacts/switching capacity

Rated impulse withstand voltage	U_{imp}	V AC	4000
Rated insulation voltage	U_i	V	400
Overvoltage category/pollution degree			III/3
Max. short-circuit protective device			
Fuseless		Type	PKZM0-6,3
Fuse	gG/gL	A	10
AC-15			
Rated operational current			
230 V		A	2
DC-13			
Rated operational current			
24 V		A	2
110 V		A	0.25
Rated frequency	f	Hz	50

Design verification as per IEC/EN 61439

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

Technical data ETIM 6.0

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 (ecl@ss8.1-27-37-18-14 [AKF108011])

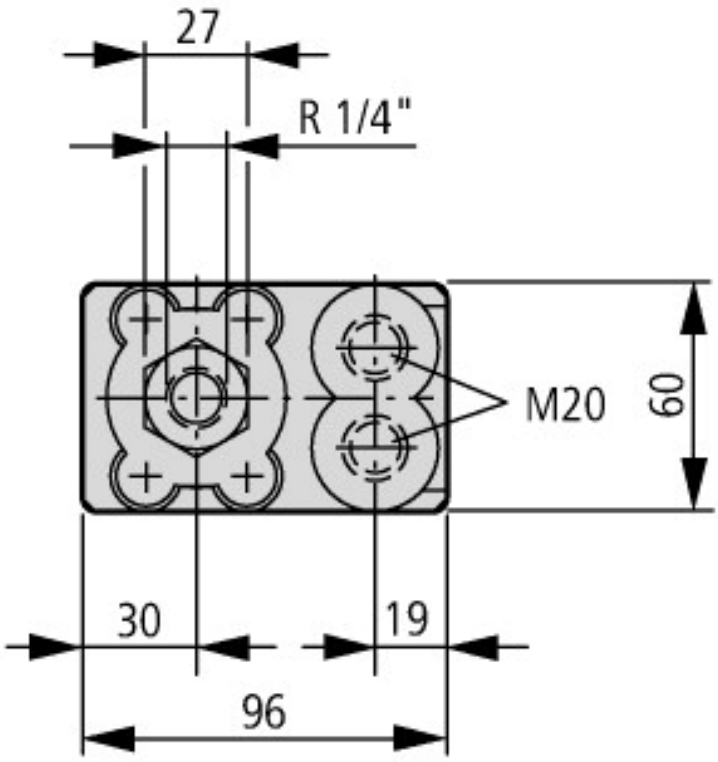
Suitable as guard			Yes
Suitable as 2-point controller			Yes
Suitable as limiter			No
Max. operation pressure		hPa	25000
Engaging pressure		bar	0 - 21
Initial setting		hPa	0 - 0
Switch off pressure		bar	0 - 22
End setting		hPa	0 - 0
Pressure-switching differential		bar	0
Max. test pressure		bar	32
Bursting pressure		bar	90
Medium temperature		°C	-25 - 80
Type of pressure connection			R 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

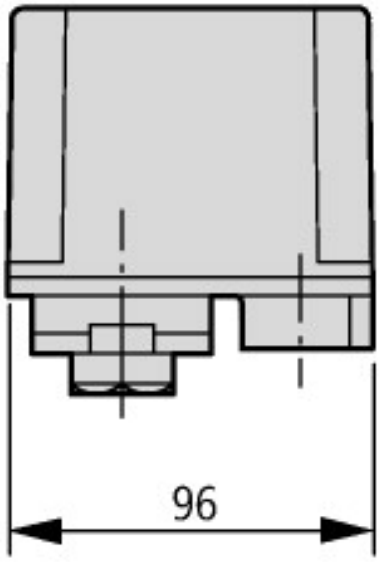
Rated operation power at AC-3, 400 V	kW	0
Switching capacity at AC-3, 240 V	kA	0
Rated operation current Ie at AC-1, 400 V	A	0
Rated operation current Ie at AC-3, 400 V	A	0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as change-over contact		1
Type of electric connection		Screw connection
Number of normally closed contacts as main contact		0
Number of main contacts as normally open contact		0
Adjustable current range	A	0 - 0
With hand operation		No
With manual on/off switch		No
Degree of protection (IP)		IP65
Electronic version		No
Explosion-proof		No

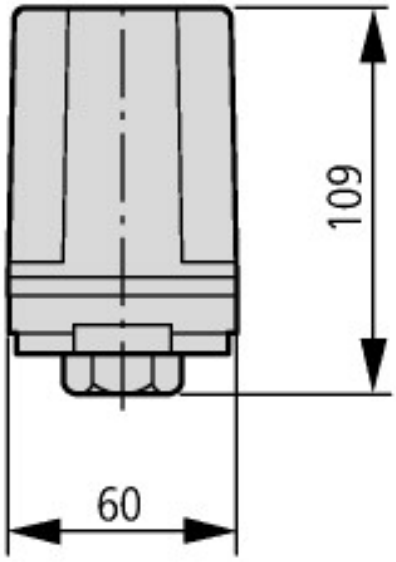
Approvals

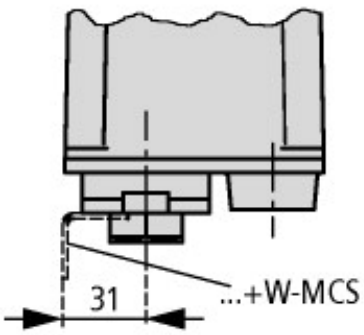
Product Standards		CSA-CC22.2 No. 14
CSA File No.		12528
CSA Class No.		3211-06
North America Certification		CSA certified

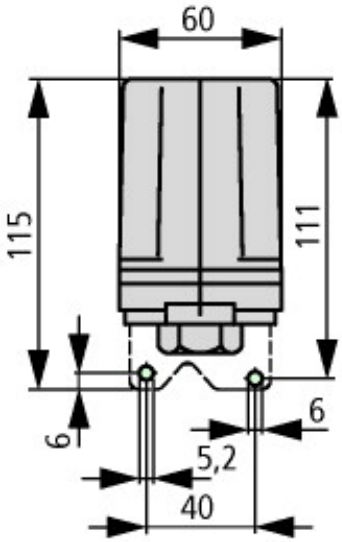
Dimensions

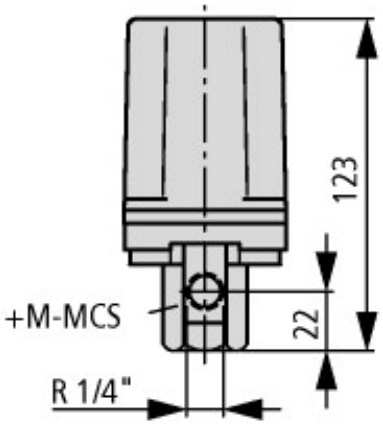

27
R 1/4"
M20
60
30
19
96

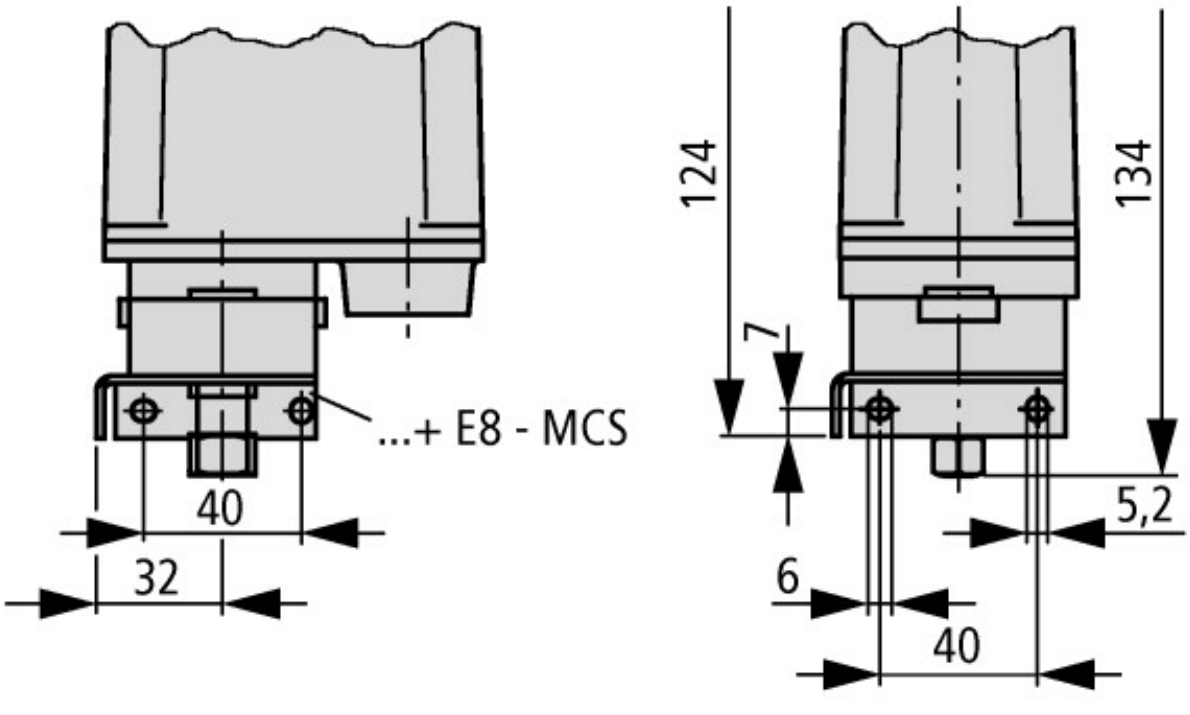

96


109
60


31
...+W-MCS


60
115
111
6
6
5,2
40


123
+M-MCS
22
R 1/4"



Additional product information (links)

IL05212001Z (AWA1320-0132) Pressure switch	
IL05212001Z (AWA1320-0132) Pressure switch	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05212001Z2014_06.pdf

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