

Pressure switch, 1W, 25bar

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

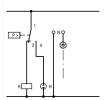


1/5

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.		
		22 20 18 16 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10
		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	Ui	V	400	
Overvoltage category/pollution degree			III/3	
Max. short-circuit protective device				
Fuseless		Туре	PKZM0-6,3	
Fuse	gG/gL	Α	10	
AC-15				
Rated operational current				
230 V		Α	2	
DC-13				
Rated operational current				

Design verification as per IEC/EN 61439

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

Α

2 0.25

50

Technical data ETIM 6.0

24 V

110 V

Rated frequency

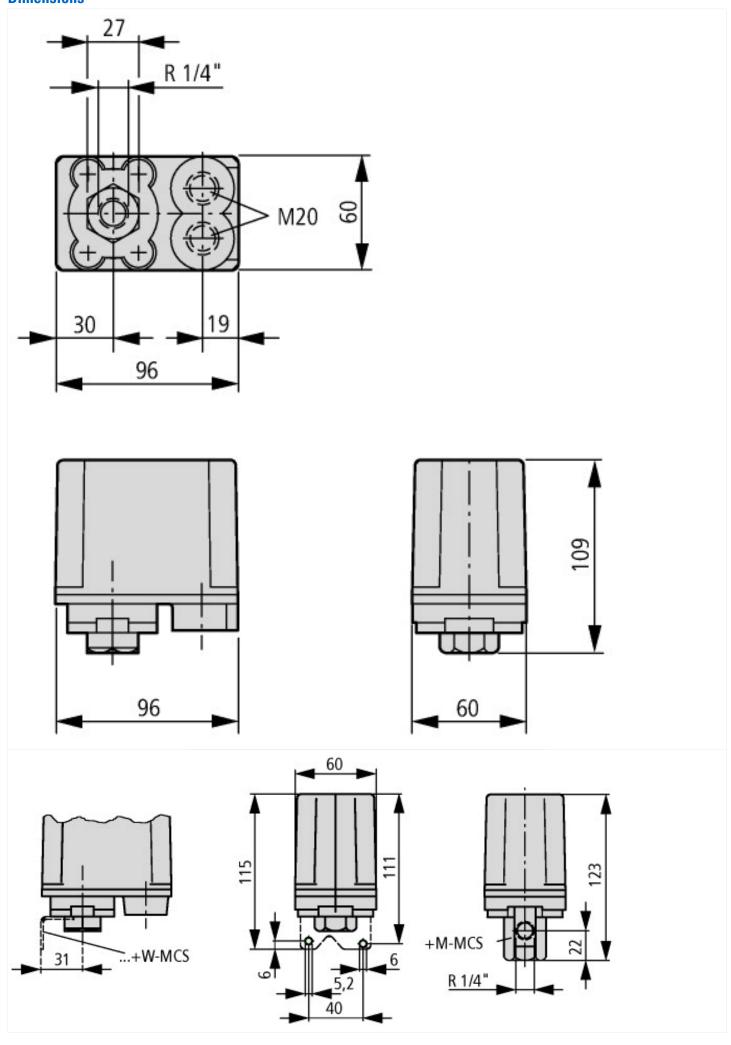
Electric engineering, automation, process control engineering / Low-voltage switch technology / Monitoring equipment (low-voltage switch technology) / Pressure monitoring equipment (ecl@ss.8.1-27-37-18-14 [AKF108011]) Suitable as guard Suitable as 2-point controller Suitable as Ilmiter Max. operation pressure Engaging pressure Engaging pressure Initial setting MPa 0-01 Switch off pressure End setting Max. test pressure Max. test pressure Bursting pressure Max. test pressure Max. test pressure Medium temperature C C 25-80 Medium temperature Type of pressure connection Rated voltage Ue at AC 50 Hz Rated voltage Ue at AC 60 Hz Rated voltage Ue at DC Initial value measuring range pressure	Toomitout data ETIM 5.5			
Suitable as guard	Low-voltage industrial components (EG000017) / Pressure switch (EC000243)			
Suitable as 2-point controller Suitable as 2-point controller 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 32 Bursting pressure bar 90 Medium temperature ° C -25 - 80 Type of pressure connection Rated voltage Ue at AC 50 Hz Rated voltage Ue at AC 60 Hz Rated voltage Ue at DC No No Yes Yes No No No 10 11 11 11 11 11 11 11 11 1	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 limiter No Max. operation pressure hPa 250000 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	Suitable as guard		Yes	
Max. operation pressure Engaging pressure bar 0 - 21 Initial setting NPa 0 - 0 Switch off pressure bar 0 - 22 End setting hPa 0 - 0 Pressure-switching differential bar 0 - 0 Pressure-switching differential bar 32 Bursting pressure bar 32 Bursting pressure bar 90 Medium temperature °C -25 - 80 Type of pressure connection Rated voltage Ue at AC 50 Hz Rated voltage Ue at DC Pa 0 - 21 Pa 0 - 22 Pa 0 - 21 Pa 0 - 21 Pa 0 - 22 Pa 0 - 21 Pa 1 - 21 Pa	Suitable as 2-point controller		Yes	
Engaging pressure Initial setting Switch off pressure End setting In bPa	Suitable as limiter		No	
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	Max. operation pressure	hPa	25000	
Switch off pressure End setting hPa 0 - 0 Pressure-switching differential bar 0 Max. test pressure bar 32 Bursting pressure bar 90 Medium temperature connection Type of pressure connection Rated voltage Ue at AC 50 Hz Rated voltage Ue at AC 60 Hz Rated voltage Ue at DC Pa 0 - 22 Pa 0 - 25 Pa 0 - 25 Pa 0 - 210	Engaging pressure	bar	0 - 21	
End setting Pressure-switching differential bar 0 Max. test pressure bar 32 Bursting pressure bar 90 Medium temperature °C 7type of pressure connection Rated voltage Ue at AC 50 Hz Rated voltage Ue at AC 60 Hz Rated voltage Ue at DC Note the sum of	Initial 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 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 ends of the surface of the surf	Switch off pressure	bar	0 - 22	
Max. test pressure bar 32 Bursting pressure bar 90 Medium temperature °C -25 - 80 Type of pressure connection Rated voltage Ue at AC 50 Hz 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 setting	hPa	0 - 0	
Bursting pressure bar 90 Medium temperature °C -25 - 80 Type of pressure connection Rated voltage Ue at AC 50 Hz Rated voltage Ue at AC 60 Hz Rated voltage Ue at DC V 0 - 230 Rated voltage Ue at DC V 0 - 110 Initial value measuring range pressure	Pressure-switching differential	bar	0	
Medium temperature C -25 - 80 Type of pressure connection Rated voltage Ue at AC 50 Hz 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	Max. test pressure	bar	32	
Type of pressure connection 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 R 1/4 inch R 1/4 inch R 1/4 inch P 30	Bursting pressure	bar	90	
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	Medium temperature	°C	-25 - 80	
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	Type of pressure connection		R 1/4 inch	
Rated voltage Ue at DC V 0 - 110 Initial value measuring range pressure Pa 0	Rated voltage Ue at AC 50 Hz	V	0 - 230	
Initial value measuring range pressure Pa 0	Rated voltage Ue at AC 60 Hz	V	0 - 230	
	Rated voltage Ue at DC	V	0 - 110	
Find value measuring range pressure	Initial value measuring range pressure	Pa	0	
and the modeling tange process	End value measuring range pressure	Pa	0	

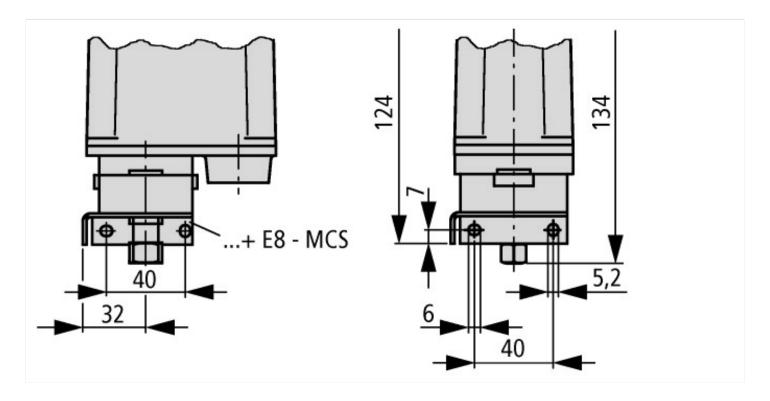
Rated operation power at AC-3, 400 V	kW	0
Switching capacity at AC-3, 240 V	kA	0
Rated operation current le at AC-1, 400 V	Α	0
Rated operation current le at AC-3, 400 V	Α	0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary 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	Α	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 certifi	ed

Dimensions





Additional product information (links)

IL05212001Z (AWA1320-0132) Pressure switch

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