

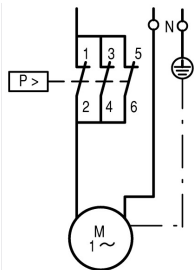


Pressure switch, 3p, 15bar

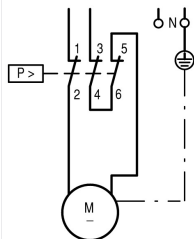
Part no. MCSN11
Article no. 029203
Catalog No. MCSN11

Delivery programme

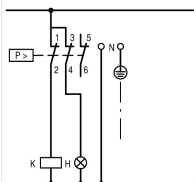
Product range			Pressure switches with main contacts
Degree of Protection			IP65
Pole			3 pole
Cut-in pressure and cut-out pressure: separate stepless adjustment. All the intersection points within the diagram area can be set.			
			Min. switching differential: 1.4 bar
			Example:
			Cut-out pressure 8.5 bar
			Cut-in pressure 4.5 bar
			Variable switching differential
Max. operating pressure		bar	15
Notes			
Features			
:			
			• With terminal cover as standard • 1 insulated protective conductor terminal • 1 insulated N terminal • 2 cable entry knockouts for M20, without cable gland • IP65 in conjunction with V-M20 cable gland • Pressure pipe flange R ½" • please enquire: Pressure pipe flange R ¼" • Neoprene membrane
R ¼" corresponds to G ¼			
R ½" corresponds to G ½ as per ISO 228-1			
For use as a motor load switch as per IEC/EN 60947-4-1 for:			
Three-phase current			
Single-phase current			



Direct current DC-3



For use as control switch:



Cut-in and cut-out pressures are factory-preset as specified with type suffix → 203948

Technical data

General

Standards			IEC/EN 60947-4-1
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		°C	-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	0.5
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) 2 x (0.5 - 1.5)
Terminations			Flat terminal with clamping washer
Terminal screw			M4
Tightening torque of terminal screw		Nm	1.2

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	PKZM0-20
Fuse	gG/gL	A	20
Type of coordination			1
Rated short-circuit current	I_q (= Current r) kA		1
AC-3			
Rated operational current			
230 V		A	15
400 V		A	11.5
Rated power P			
230 V		kW	4
400 V		kW	5.5
DC - 3			
Rated operational current			
24 V		A	16
110 V		A	12.5
250 V		A	2
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

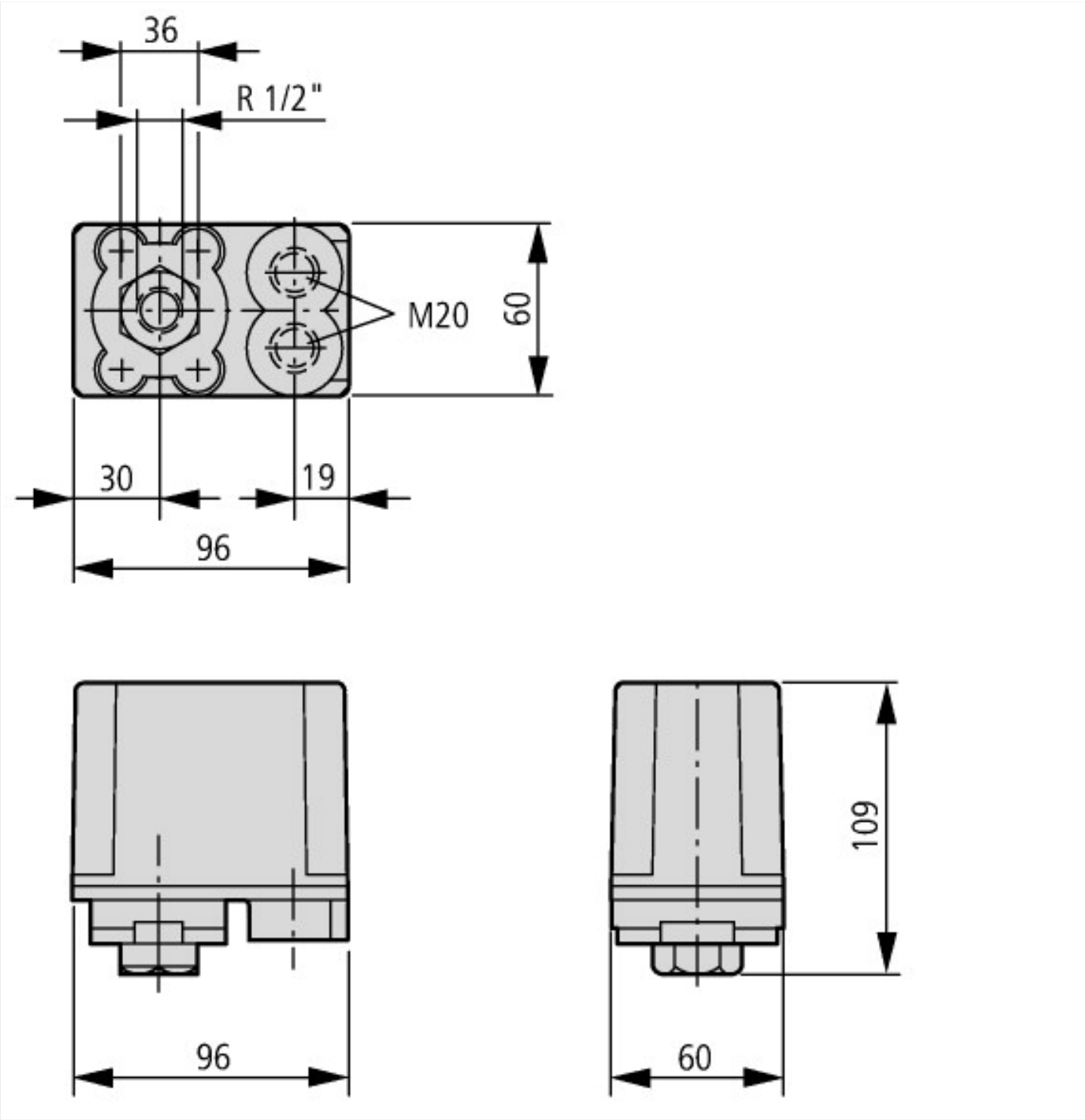
Low-voltage industrial components (EG000017) / Pressure switch (EC000243)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Monitoring equipment (low-voltage switch technology) / Pressure monitoring equipment (ecI@ss8.1-27-37-18-14 [AKF108011])			
Suitable as guard			Yes
Suitable as 2-point controller			Yes
Suitable as limiter			No
Max. operation pressure		hPa	15000
Engaging pressure		bar	0 - 9.4
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
Type of pressure connection			G 1/2 inch
Rated voltage U_e at AC 50 Hz		V	0 - 400
Rated voltage U_e at AC 60 Hz		V	0 - 400
Rated voltage U_e at DC		V	0 - 250
Initial value measuring range pressure		Pa	0
End value measuring range pressure		Pa	0
Rated operation power at AC-3, 400 V		kW	5.5
Switching capacity at AC-3, 240 V		kA	15
Rated operation current I_e at AC-1, 400 V		A	0
Rated operation current I_e at AC-3, 400 V		A	11.5
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			0
Type of electric connection			Screw connection
Number of normally closed contacts as main contact			3
Number of main contacts as normally open contact			0

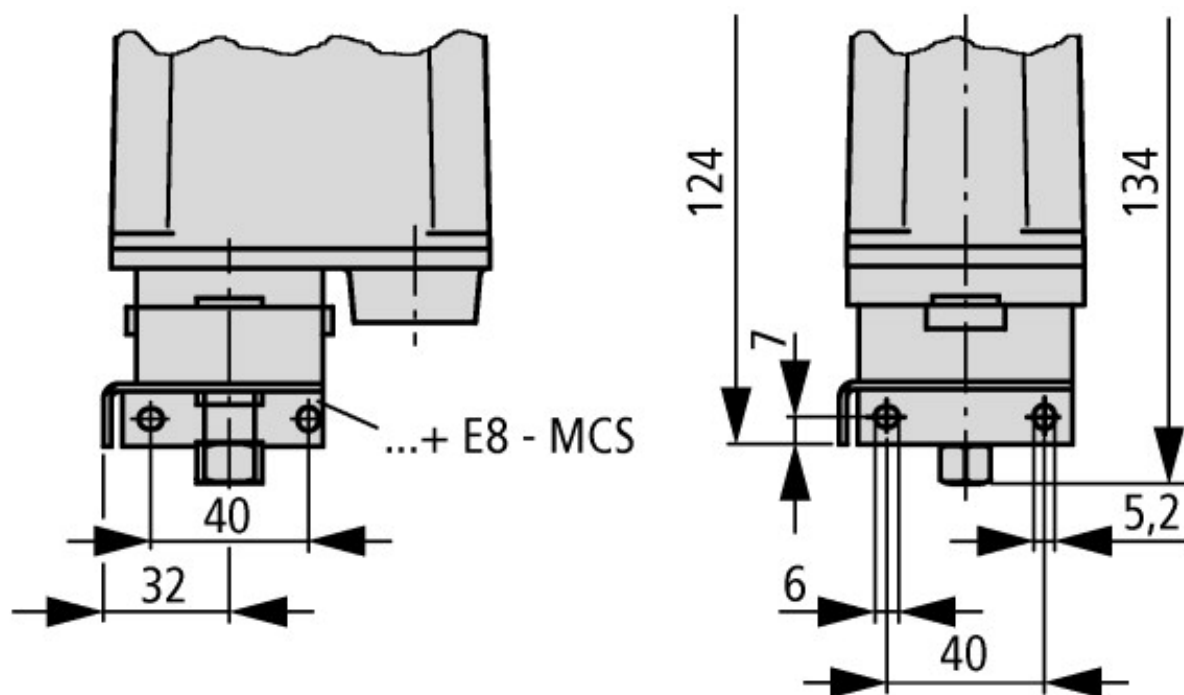
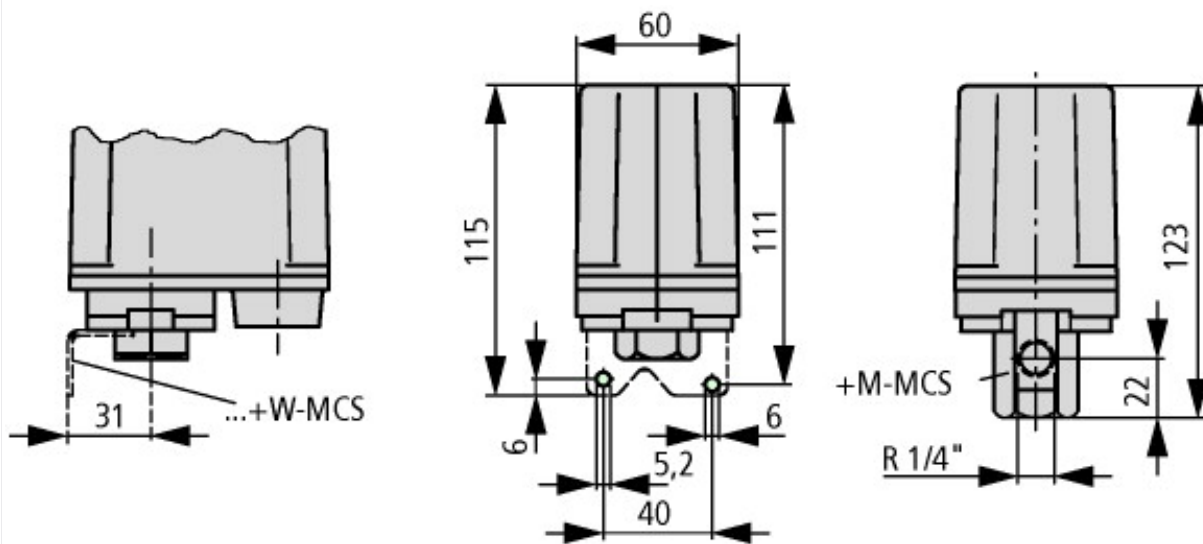
Adjustable current range		A	0 - 0
With hand operation			No
With manual on/off switch			No
Degree of protection (IP)			IP65
Electronic version			No
Explosion-proof			No

Approvals

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

Dimensions





Additional product information (links)

IL05212001Z (AWA1320-0132) Pressure switch

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