

Pressure Switch - EPS03

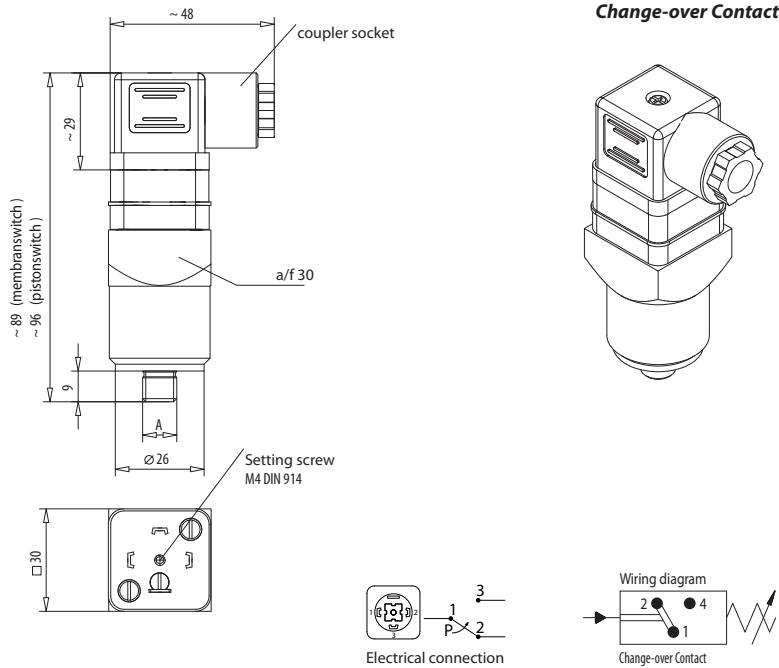


- Measuring ranges 0.5 - 350 bar
- Change over contact
- Generous overpressure
- Media temperature range -25 °C to + 85 °C
- Spring-loaded NBR or special VITON diaphragm / or Spring-loaded piston seal in NBR or VITON
- Galvanised zinc plated steel housing with IP65 sealing
- Medium - air, hydraulic oil, oil emulsions, water, others on demand



The compact EPS03 pressure switch is well suited to a wide range of applications within the industry. The two actuation principle of a spring loaded membrane and a spring loaded piston allow a wide operating range.

Reference dimensions mm



Ordering Information

(Please use the characters in the chart below to construct your product code)

Sample Code: **EPS03 - ZS - G1/8 - N - 2 - AG**

Series	Housing	Port Configuration	Diaphragm	Pressure Range	Contact material
EPS03	ZS - zinc plated steel	G1/8- G1/8 G1/4- G1/4 M12- M12x1.5 M10- M10x1c	N- NBR V- Special Viton	2- 0.5 - 2 bar 10- 1 - 10 bar 70- 10 - 70 bar 200- 50 to 200 bar 350- 150 - 350 bar	AG- Silver AU- Gold

Custom options available on request

Pressure Switch - EPS03



Specification

Order ref.	EPS03-x-x-x-2-	EPS03-x-x-x-10-	EPS03-x-x-x-70-	EPS03-x-x-x-200	EPS03-x-x-x-350
Pressure setting range	0.5 – 2 bar	1 - 10 bar	10 – 70 bar	50 – 200 bar	150 – 350 bar
Tolerance	± 0.2 bar	± 0.5 bar	± 3,0 bar	± 5,0 bar	± 10,0 bar
Working pressure max.	50 bar	150 bar	150 bar	300 bar	450 bar
Overpressure limit max.(static)	100 bar	100 bar	300 bar	600 bar	600 bar
Design	Spring-loaded diaphragm		Spring-loaded piston		
Diaphragm / Seal	NBR, special design VITON				
Manner of fastening	Male thread				
Fitting thread >A<	G 1/4", G 1/8", M12x1,5, M10x1 Cone				
Mounting position	Any				
Ambient temperature	-25 °C to + 85 °C, higher temperatures on demand				
Medium	Air, hydraulic oil, oil emulsions, water, others on demand				
Adjustability	Under pressure				
Switch back difference	15% – 30%				
Mechanical life	10 ⁶				
Material	Galvanized steel				
Weight approx.	160 g		190 g		
Switching element	Microswitch - silver-plated contacts / special gold-plated contacts				
Reference voltage	250 V (PG9), 42 V (Round Connector M12x1)				
Reference frequency	Not over 100 Hz				
Switching frequency max.	200/min.				
Electrical connection	Connector PG9 DIN EN 175301				
Protective system	IP65, terminal IP00 DIN 40 050				

Breaking capacity	Utilization category according to EN60947	AC		DC				
		125 V	250 V	30 V	50 V	75 V	125 V	250 V
Voltage up to								
Resistance load	AC-12, DC-12	5 A	5 A	5 A	2 A	1 A	0.5 A	0.25 A
Inductive load	AC-14, DC-13	1 A	1 A	2 A	1 A	0.5 A	0.2A	0.2 A