



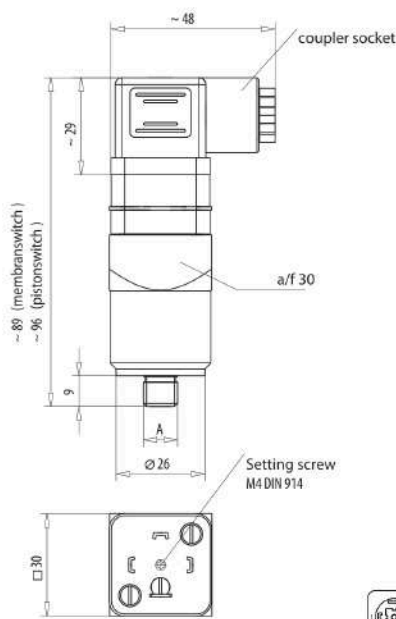
- ▶ **Measuring ranges 0.5 - 350 bar**
- ▶ **Change over contact**
- ▶ **Generous overpressure**
- ▶ **Media temperature range -25 °C to + 85 °C**
- ▶ **Spring-loaded NBR or special VITON diaphragm/ or Spring-loaded piston seal in NBR or VITON**
- ▶ **Galvanised zinc plated steel housing with IP65 sealing**
- ▶ **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.

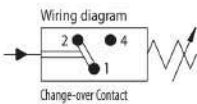
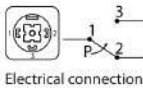
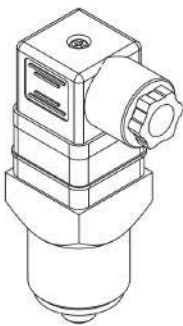
Specifications					
Order ref.	EPS03-x-x-x-2-	EPS03-x-x-x-10-	EPS03-x-x-x-70-	EPS03-x-x-x-200	EPS03-x-x-x-350
Pressure setting range	0.5 – 2 bar	1 - 10 bar	10 – 70 bar	50 – 200 bar	150 – 350 bar
Tolerance	± 0.2 bar	± 0.5 bar	± 3,0 bar	± 5,0 bar	± 10,0 bar
Working pressure max.	50 bar	150 bar	150 bar	300 bar	450 bar
Overpressure limit max.(static)	100 bar	300 bar	300 bar	600 bar	600 bar
Design	Spring-loaded diaphragm		Spring-loaded piston		
Diaphragm / Seal	NBR, special design VITON, EPDM		PUR, 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				
Voltage up to		125 V	250 V	30 V	50 V	75 V	125 V	250 V
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

Dimensions in mm



Change-over Contact





Ordering information

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

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

Series

EPS03

Housing

ZS zinc plated steel

Port configuration

G1/8 G1/8

G1/4 G1/4

M12 M12 x 1.5

M10 M10 x 1c

Diaphragm

N NBR (only for 0.5 - 2 bar and 1-10 bar)

V Special Viton

E EPDM (only for 0.5 - 2 bar and 1- 10 bar)

P PUR (only for 10 - 70 bar, 50 - 200,
150 - 350 bar)

Pressure range

2 0.5 - 2 bar

10 1 - 10 bar

70 10 - 70 bar

200 50 to 200 bar

350 150 - 350 bar

Contact material

AG Silver

AU Gold

Custom options available on request