



Pressure Switch with Adjustable Hysteresis

- Snap action micro switch
- 250V / 4A
- Change over contact SPDT
- Elastomer membrane / Piston with PTFE - sealing
- Preset ex works possible
- Adjustable hysteresis
- Compact design
- E-connection DIN EN 175301-803A including socket, alternative plug M12x1 or cable outlet

Order

Reference	Adjustment ranges (bar)	Overload limit (bar)	Measuring principle
GTSPS002001	0.2..2	60	Membrane
GTSPS008001	0.5..8		
GTSPS016001	1..16		
GTSPS030001	10..30	350	Piston
GTSPS120001	10..120		
GTSPS200001	20..200		
GTSPS320001	30..350		

Technical data

Construction:	snap action micro switch
Operating fluid:	compressed air/self lubrication fluids (e.g. hydraulic oil), neutral fluids/gases
Mechanical installation:	over fluid connection
Mounting position:	any
Max. system pressure:	60bar (Membrane) / 350bar (Piston)
Repeatability:	max. $\pm 2\%$ of full scale at room temperature
Hysteresis*:	guide value: 0,1bar + 5...20% of set point, adjustable (Membrane) guide value: 5 bar + 5...15% of set point, adjustable (Piston)
Life cycles, mech.:	$> 2 \times 10^6$
Max. switching frequency:	$\sim 1\text{Hz}$
Temperature range*:	$-40 \dots +100^\circ\text{C}$ as a function of used elastomere
Vibration resistance:	10g (10 ... 2000Hz) sinus acc. to ISO 16750-3
Shock resistance:	30g, 14ms shaped sinus acc. to DIN 40046, T7
Switching element:	snap action micro switch with self cleaning pins
CE-mark:	acc. to EU-standards: 2014/35/EU (LVD), 2011/65/EU (RoHS)
Protection class:	IP65 acc. to DIN EN 60529; IP67 using plug M12x1 or cable outlet
Weight:	$\sim 0,15\text{kg}$

**please contact the technical support for alternative or special requirements regarding hysteresis and temperature
Subject to technical alternations!*

Electrical connection data - dimensions

	DIN EN 175301-803A		Plug M12x1		Cable output	
	250VAC	24VDC	48VAC	24VDC	250VAC	24VDC
Ohmic load	4A	4A	4A	4A	4A	4A
Inductive load	2A	2A	2A	2A	2A	2A



GTS GAUGES TRANSMITTERS SWITCHES

Ph: (08) 9250 4400 ▼ sales@gtsgauges.com.au ▼ www.gtsgauges.com.au