



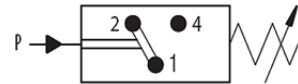
↻360°

## Pressure switch

**DS 6001 DS 6013**

0,3 - 2,0 bar  
 1,0 - 10,0 bar  
 10,0 - 70,0 bar

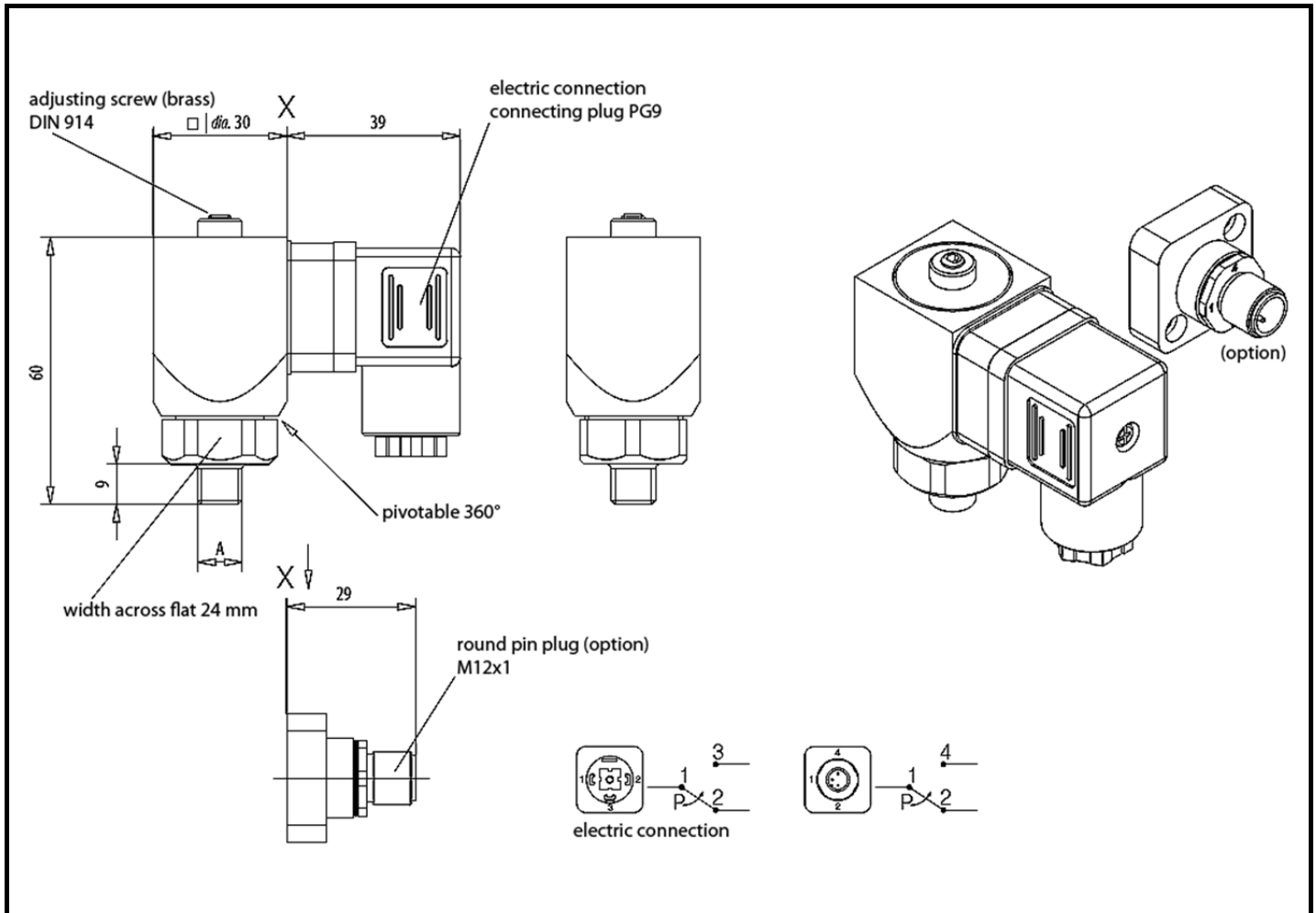
Changeover contact



## Characteristics

Order-No	DS 6001	DS 6002	DS 6003
Adjustment range [bar]	0,3 - 2,0	1,0 - 10,0	10,0 - 70,0
Anschl ss	G 1/8 (ISO 228)		
Order-No	DS 6011	DS 6012	DS 6013
Adjustment range [bar]	0,3 - 2,0	1,0 - 10,0	10,0 - 70,0
Anschluss	G 1/4 (ISO 228)		
<b>General</b>			
Type of construction	Spring-loaded diaphragm		Spring-loaded piston
Diaphragm	NBR <i>Options: KM, CR, EPDM, KALREZ</i>		UR <i>Option: NBR, FKM</i>
Mounting type	Male thread		
Thread >A<	G 1/4, G 1/8 standard (ISI 228)		<i>Options: M12 x 1,5, M10 x 1 conical on request</i>
Mounting position	any		
Ambient temperature	-25 °C to +85 °C,		higher temperature range on request
Media	Air, hydraulicoil, oil emulsions, water		other media on request
Weight [g]	230		
Mechanical endurance	10 <sup>6</sup> switching cycles		
Material	Steel, - zinc plated		<i>Options: brass, stainless steel</i>
Adjustment	by hexagon socket screw (M5 DIN 914)		
<b>Pneumatic</b>			
Operating pressure max. [bar]	2	10	70
Burst pressure [bar]	5	20	120
Adjustment	Under pressure		
Differential reset pressure	15% - 25%		
<b>Electrical</b>			
Switching voltage ~ / =	Max. 250 V		
Switching element	Microswitch, silver plated contact		<i>option: gold plated</i>
Rated voltage	250 V in accordance with EU-directive		
Rated frequency	Max. 100 Hz		
Max. switching frequency	200/min.		
No. of poles	4		
Electrical connection	Electrical plug PG 9, DIN EN 175301-803..... <i>option: round pin plug M 12x1</i>		
Degree of protection	IP 65 <b>with mounted plug</b> , naked pins IP 00 DIN 40050		
<b>Switching capacity</b>	<b>AC</b>		<b>DC</b>
Max. voltage	125 V	250 V	30 V 50 V 75 V 125 V 250 V
Resistive load	5 A	5 A	5 A 2 A 1 A 0,5 A 0,25 A
Incandescent lamp load	0,5 A	0,5 A	0,5 A 0,4 A 0,3 A 0,2 A 0,1 A
Inductive load	5 A	5 A	5 A 2 A 1 A 0,06 A 0,03 A

## Maße [mm]



## Attention

We recommend not using the pressure switch as the sole means of disconnecting a device from the mains. Currents which are too high may damage the contacts. Spark-quenching devices must be provided in inductively loaded DC circuits, e.g. magnets.

## Standards and directives

## ● EG Directive 2006/95/EG

## Applied aligned norms

EN 60947-1:2008 DIN VDE 0660 Teil 100:2008-04  
 Niederspannungsschaltgeräte, Teil 1: allgemeine Festlegung

EN 60947-5-1:2010 DIN VDE 0660 Teil 200:2010-04  
 Niederspannungsschaltgeräte, Teil 5-1: Steuergeräte und Schaltelemente – elektromechanische Steuergeräte

## ● RoHS conform