



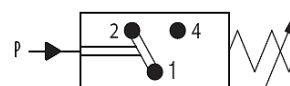
↻360°

## Pressure switch

**DS 6001 DS 6013**

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

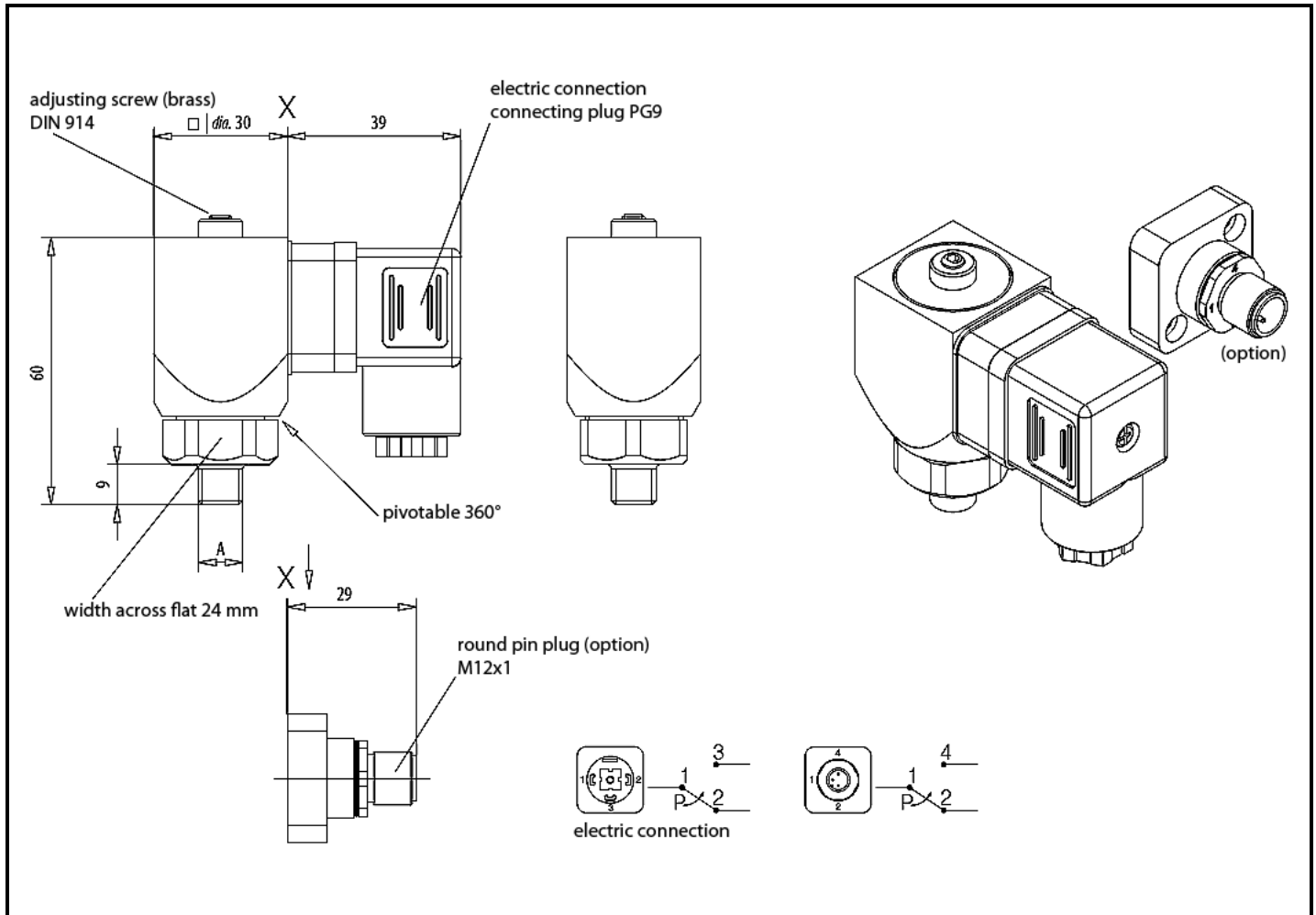
Changeover contact



## 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)                                                                |            |                                     |
| General                       |                                                                                |            |                                     |
| Type of construction          | Spring-loaded diaphragm                                                        |            | Spring-loaded piston                |
| Diaphragm                     | NBR Options: KM, CR, EPDM, KALREZ                                              |            | UR Option: NBR, FKM                 |
| Mounting type                 | Male thread                                                                    |            |                                     |
| Thread >A<                    | G 1/4, G 1/8 standard (ISI 228) Options: M12 x 1,5, M10 x 1 conical on request |            |                                     |
| 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                                                           |            | Options: brass, stainless steel     |
| Adjustment                    | by hexagon socket screw (M5 DIN 914)                                           |            |                                     |
| Pneumatic                     |                                                                                |            |                                     |
| Operating pressure max. [bar] | 2                                                                              | 10         | 70                                  |
| Burst pressure [bar]          | 5                                                                              | 20         | 120                                 |
| Adjustment                    | Under pressure                                                                 |            |                                     |
| Differential reset pressure   | 15% - 25%                                                                      |            |                                     |
| Electrical                    |                                                                                |            |                                     |
| Switching voltage ~ / =       | Max. 250 V                                                                     |            |                                     |
| Switching element             | Microswitch,silver plated contact                                              |            | option: gold plated                 |
| 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.....option: round pin plug M 12x1      |            |                                     |
| Degree of protection          | IP 65 with mounted plug, naked pins IP 00 DIN 40050                            |            |                                     |
| Switching capacity            | AC                                                                             |            | DC                                  |
| 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, Teil1: 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

### Equipment plug

| Article nr. | Type number | Description                        |
|-------------|-------------|------------------------------------|
| 100282      | 1920.11P4   | Equipment plug for pressure switch |