

# **PRESSURE SWITCH TYPE HED 2**

#### up to 21 MPa

**450 239** 03.2012

WK



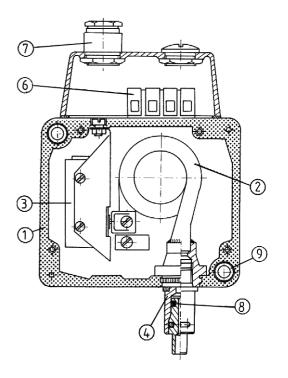
Pressure switch type HED 2 is used to switch an electrical circuit on and off in relation to the given pressure value of an oil or another operating medium.

## **DESCRIPTION OF OPERATION**

Increasing pressure is supplied by a dumping tube via connector Stecko 4 sealed with the rubber ring 8. This pressure affects the bourdon tube 2 causing its deformation. As soon as the set pressure is reached, the bourdon tube actuates the micro switch 3 by means of the attached operating lever. Position of the micro switch and than time of its action may be adjusted steplessly by means of a lockable handknob. Connection of the pressure switch with an external electrical equipment is made by conductors attached to the terminal strip 6 and the gland 7 - in basic version.

The switch is susceptible to vibration and for that reason it is mounted with the buffers 9.

The pressure switches are designed for the following pressure ranges : 2,5; 6,3; 10; 20 MPa  $\,$ 

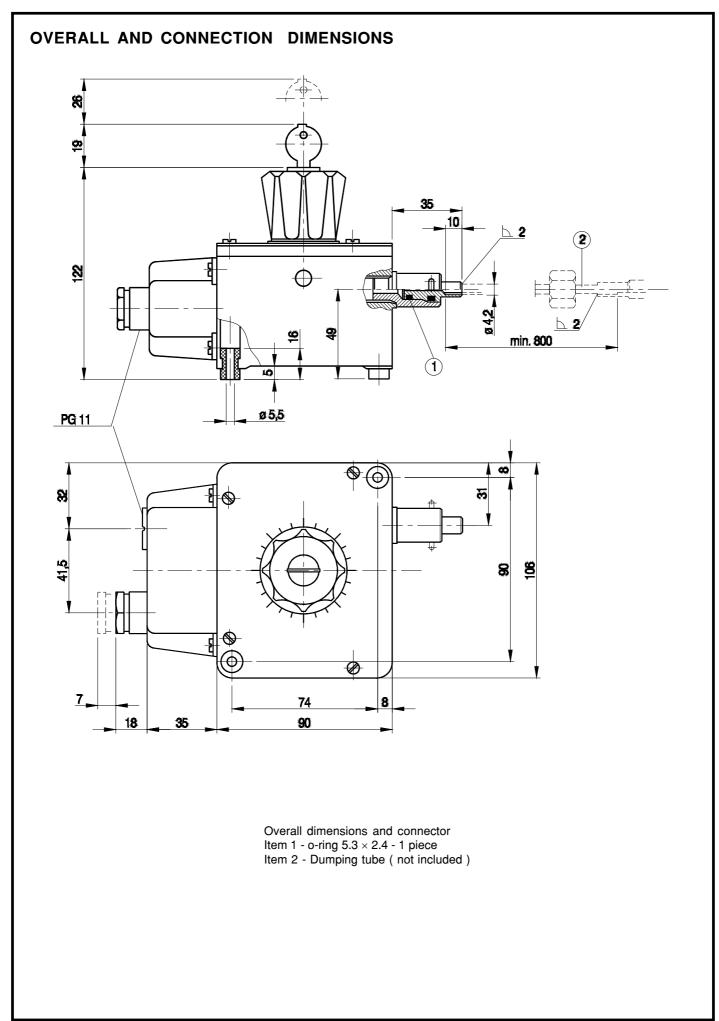


## **TECHNICAL DATA**

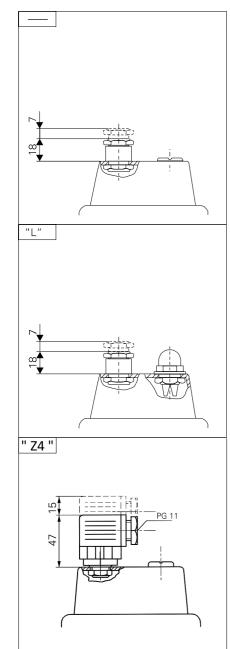
Operatin medium	Mineral oil, phosphate ester, gas, air					
Electrical connection with a gland	PG 11 ; max conductor dia = 8					
Insulation	Electrical connection with a gland					
	IP 55		IP 54			
Mounting position	Optional Fixing by 2 bolts M5 x 20 - 5.8 per PN-85/M - 82215 ( DIN - 384 )					
Switching accuracy	± 1 %					
Switching frequency	30/min					
Contact loading	AC voltage		DC voltage			
	[V]	[A]	[V]	[A]		
	460	10	25 125 250	1.0 0.2 0.1		
Weight	1 kg					

Setting ranges [ MPa ]			Fixed switching		Maximum	
Decreasin	g pressure	Increasing pressure		pressure difference	Pressure rating [ MPa ]	operating pressure
min	max	min	max	[ MPa ]		[MPa]
0.15	2.5	0.2	2.6	~ 0.05	2.5	3
0.4	6.3	0.5	6.4	~ 0.10	6.3	7
0.6	10	0.75	10.15	~ 0.15	10	11
1	20	1.4	20.4	~ 0.40	20	21

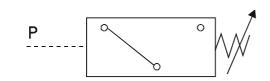
Note : Fixing bolts have to be ordered separately.

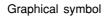


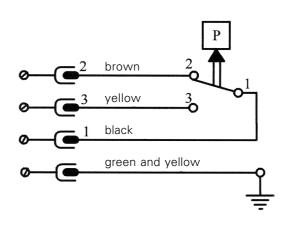
#### Electrical connection



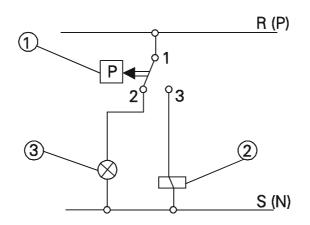








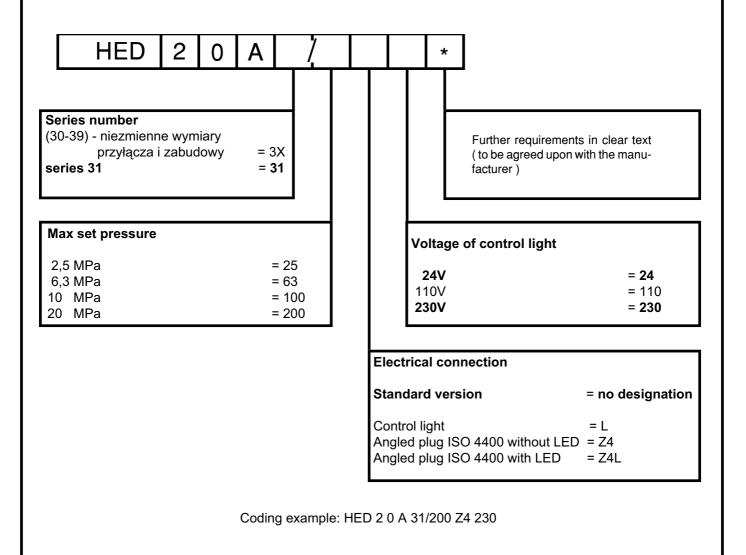
Symbol of electrical connections for version Z4L



Simple switching with one HED

### HOW TO ORDER

Orders coded in the way showed below should be forwarded to the manufacturer. The symbols in bold are preferred versions in short delivery time.



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