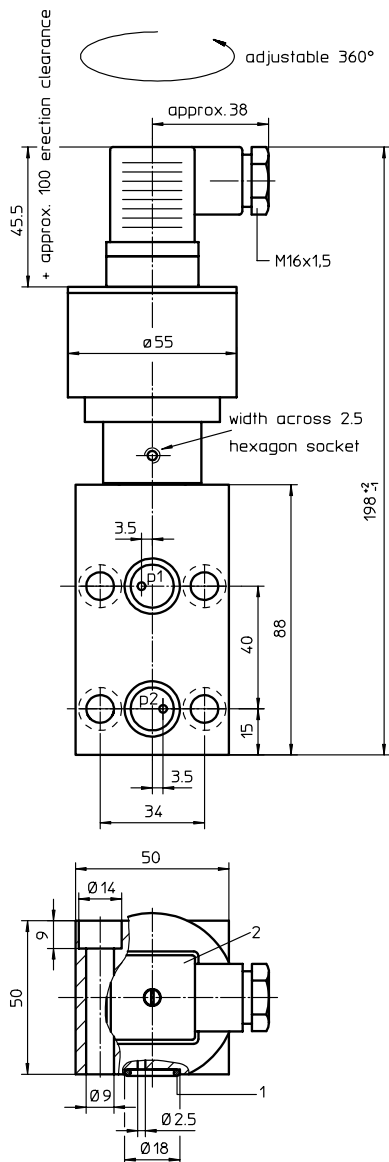


ELECTRONICAL CLOGGING SENSOR

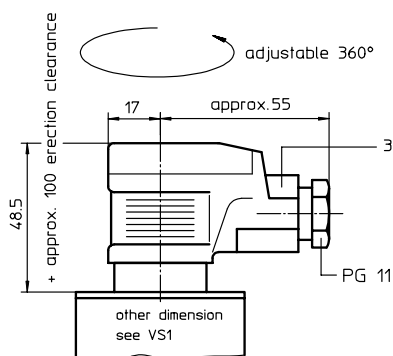
Series VS 2 (block execution)

Sheet No.
1608 C

Clogging sensor VS 2 ... GS



Clogging sensor VS 2 ... SS1



1. Type index: (ordering example)

VS 2.	1,5.	P.	-.	GS.	B.	E
1	2	3	4	5	6	7

1 series:

VS2 = electronic clogging sensor with
2x PNP-switching contacts (75% and 100% of the Δp -nominal range)

2 indicator-pressure difference: (Δp -nominal)

1,5 = 1,5 bar
2,5 = 2,5 bar
5,0 = 5,0 bar
6,0 = 6,0 bar

3 sealing material:

P = Nitrile (NBR)
V = Viton (FPM)

4 material: (block)

- = standard
VA = stainless steel

5 connection:

GS = line adapter acc. to DIN 43650-designA/ISO4400,
three-channel plug

SS1 = line adapter acc. to DIN 43650-designA/ISO4400,
three-channel plug with LED switch-position indicator for VS 2

6 execution:

B = block execution

7 earthing:

E = 0 volt free of earthing
G = 0 volt earthed

2. Technical data:

max. operating pressure:	420 bar
max. pressure difference:	160 bar
distribution voltage:	24 V DC \pm 20%
residual ripple:	< 10%
temperature range:	- 10 °C to + 100 °C (fluid) - 10 °C to + 80 °C (electronics)
PNP-switching contacts:	contact maker; I_{max} = 200 mA with 24V
protection:	IP65 acc. to DIN EN 60529

3. Functions:

- Discrete control of the filter contamination by means of two PNP-switching contacts (75% and 100% of the Δp -nominal range)
- Indication of switching position by LED immediately at the sensor in connection with the signal plug SS1
- Cold start suppression up to approx. 25°C
- Suppression of pressure peaks
- Interchangeable with clogging indicator type AE (INT)

4. Spare parts:

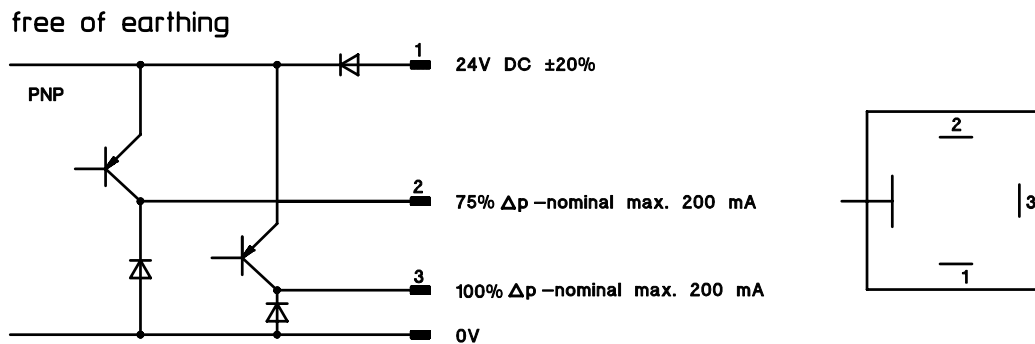
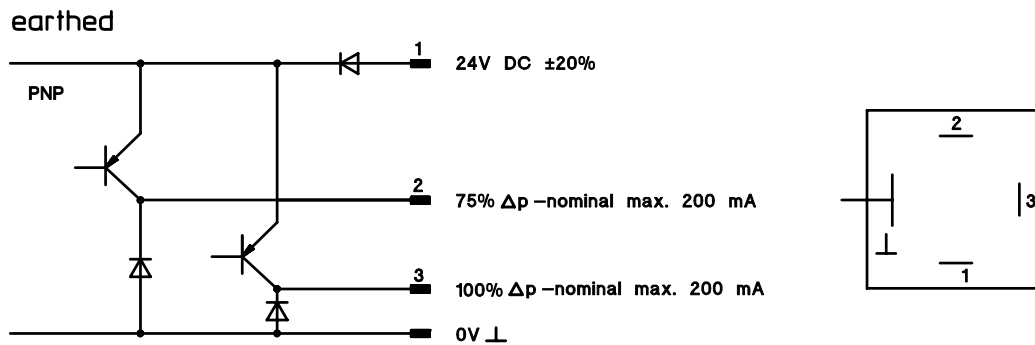
item	qty.	designation	dimension	article-no.	
1	2	O-ring	14x2	304342 (NBR)	304722 (FPM)
2	1	GS	DIN 43650-designA/ISO4400	312492	
3	1	SS1	DIN 43650-designA/ISO4400	310403	

EDV 06/09

Changes of measures and design are subject to alteration!

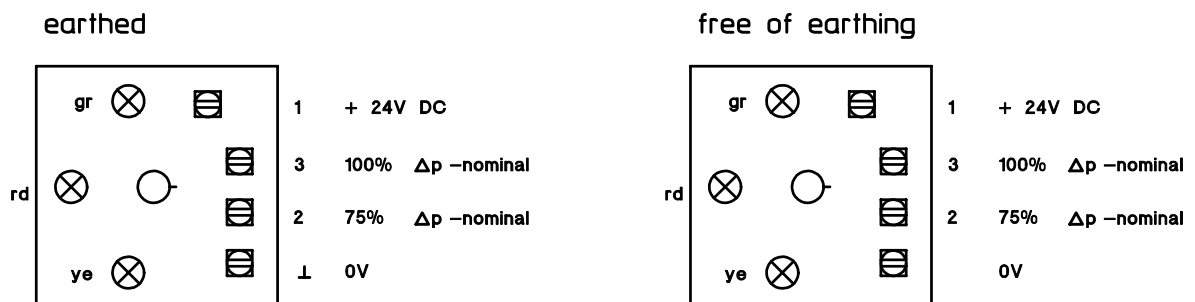
5. Connection configuration :

Connection configuration VS 2



Connection configuration SS 1

The signal plug SS1 is used to indicate the actual switching position at the VS2.



LED - green - on: operating pressure in on-position
 LED - yellow - on: switching contact 75% Δp -nominal switched
 LED - red - on: switching contact 100% Δp -nominal switched