



S10

Piezoresistive pressure transmitter



Technical data

MAIN CHARACTERISTICS

Sensor: Stainless steel diaphragm
 Measuring range: 0...0,1 to 0...600 Bar relative
 Signal output: 4...20mA, 0...10VDC, 0...5VDC,
 NLH (BSL through 0): ± 0.5 % FS typ.
 Applications: Hydraulics, HVAC, Refrigeration,
 Process technology, Water treatment

ELECTRICAL DATA

Output/Supply voltage: 4...20 mA: 24 (10...30) VDC
 0...5 VDC: 24 (10...30) VDC
 0...10 VDC : 24 (14 ...30) VDC
 Rise time: typ. 1 ms/10...90% nominal pressure

ENVIRONMENTAL CONDITIONS

Operating temperature: -20...+80°C
 Media temperature: -30...+100°C
 Protection: IP65
 Vibration: 20g according to IEC60068-2-6
 Shock: 1000g according to IEC60068-2-27

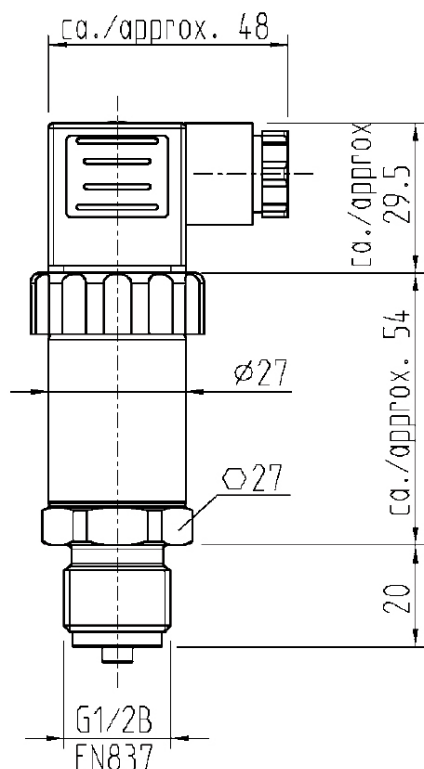
EMC PROTECTION

Emission: 89/336/EEC
 Immunity: according to EN61326

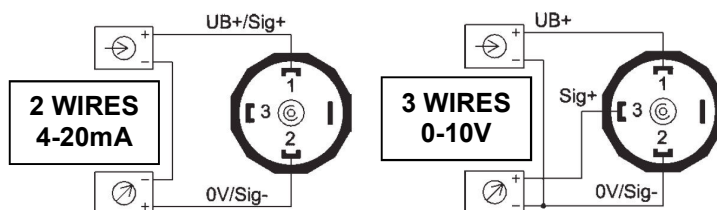
MECHANICAL DATA

Material Sensor: Stainless steel
 Housing: Stainless steel
 Internal transmission fluid: Synthetic oil
 Process connection: G 1/2"
 Connector: DIN43650-A
 Weight: appr. 200 g

Dimensions



Electrical wiring



Pressure ranges

Range (BAR)	Max. overpressure	Max burst pressure
0 ... 0.1	1	2
0 ... 0.16	1.5	2
0 ... 0.25	2	2.4
0 ... 0.4	2	2.4
0 ... 0.6	4	4.8
0 ... 1.0	5	6
0 ... 1.6	10	12
0 ... 2.5	10	12
0 ... 4	17	20
0 ... 6	35	42
0 ... 10	35	42
0 ... 16	50	96
0 ... 25	50	96
0 ... 40	80	400
0 ... 60	120	550
0 ... 100	200	800
0 ... 160	320	1000
0 ... 250	500	1200
0 ... 400	800	1500
0 ... 600	1200	1500



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