

PRESSURE TRANSMITTER



DRUCK & TEMPERATUR

with flush welded stainless steel diaphragm

with excellent temperature behaviour and long service life

Applications

Plant- and machine engineering
Food and beverage
especially for viscous or pasty media



Type	3380	Options
Nominal pressure	0...100 mbar up to 0...40 bar 0...60 bar up to 0...400 bar	
Accuracy	$\leq \pm 0,5 \%$ FSO	others on request
Output signal	4...20 mA / 2-wire	0...10 V / 3-wire = Type 3385 0...20 mA on request
Permissible load	current 2-wire: $[R_{max} = (U_B - U_{B min}) / 0,02 A] \Omega$	
Influence effects	Supply: 0,05 % FSO / 10 V, load: 0,05 % FSO / k Ω	
Long term stability	$\leq \pm 0,3\%$ FSO / year at reference conditions	
Response time	≤ 10 ms	
Permissible temperatures	Medium: -40...125°C for filling silicone oil -10...125°C for filling fluid food grade oil Environment: -40...85°C Storage: -40...100°C	Cooling element 300°C on request
Electrical protection	Short-circuit protection permanent, Reverse polarity protection (no damage, but also no function) Electromagnetic compability: emission and immunity according to EN 61326	
Mechanical stability	Vibration: 20 g RMS (25...200 Hz) acc.to DIN EN 60068-2-6 Shock: 500 g / 1 ms acc. to DIN EN 60068-2-27	
Filling fluids	Silicone oil, food grade oil, compliant with 21CFR178.3570	others on request
Materials		
Pressure port	Stainless steel 1.4435, G1/2" front flushed	G3/4", G1" flush DIN 3852 with ISO 4400, G1/2 flush with radial O-ring G1" cone with ISO 4400 diary pipe DIN 11851 with ISO 4400 Clamp (DIN 32676) with ISO 4400, other on request
Case	Stainless steel 1.4404	
Seals (Media wetted)	FKM	FFKM, andere auf Anfrage
Diaphragm	Stainless steel 1.4435	
Media wetted parts	Pressure port, seal, diaphragm	
Explosion protect. for 4...20 mA/2-wire)	IBExU 10 ATEX 1068 X / IECEx IBE 12.0027X zone 0: II 1G Ex ia IIC Ta Ga zone 20 : II 1D Ex ia IIIC T 85°C Da, IP 65	

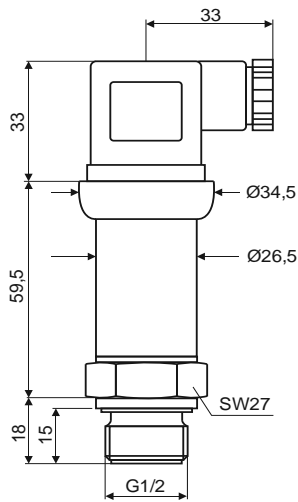
08/2017

Type: 3380, 3385

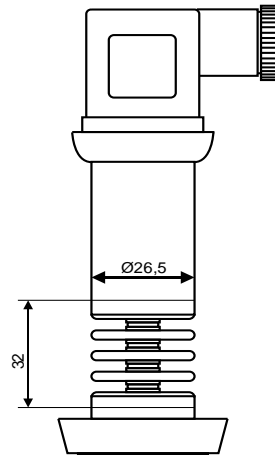
Dimensional drawing

Dimensions in mm

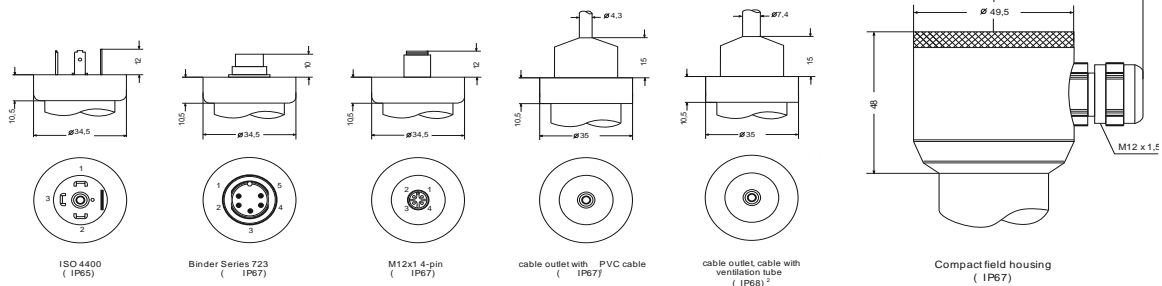
Type 3380 G1/2" flush DIN 3852



Type 3380 with Cooling element 300°



Electrical connections

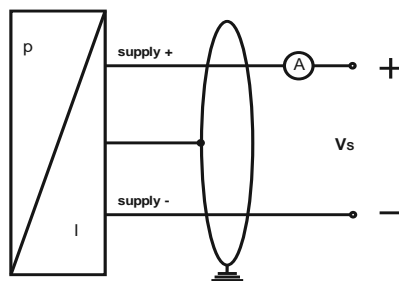


standard: 2 m PVC cable without ventilation tube (permissible temperature: (5 ... 70°C)

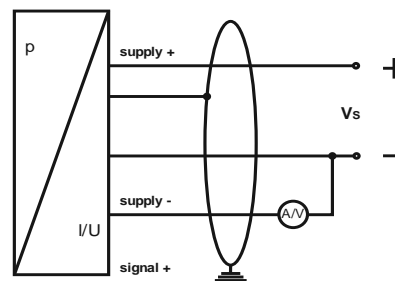
different cable types and lengths available, permissible temperature depends on kind of cable

Wiring diagrams

2-wire-system (current)



3-wire-system (voltage)



Pin configurations

Electrical connections	ISO 4400	Binder series 723 (5-pin)	M12x1/metal (4-pin)	Compact field housing	cable colour (IEC 60757)
Supply +	1	3	1	IN +	wh (white)
Supply -	2	4	2	IN -	bn (brown)
Signal + (nur bei 3-Leiter)	3	1	3	OUT +	gn (green)
Shield	ground pin	5	4	Shield	ye/gn (yellow/green)