

# DIFFERENTIAL PRESSURE TRANSMITTER DISPLAY AND PRESSURE PORT ROTATABLE



DRUCK & TEMPERATUR

**2 piezoresistive stainless steel sensors**  
**Differential pressure 0...1 up to 0...70 bar**  
**for fluid and gases**

## Areas of application

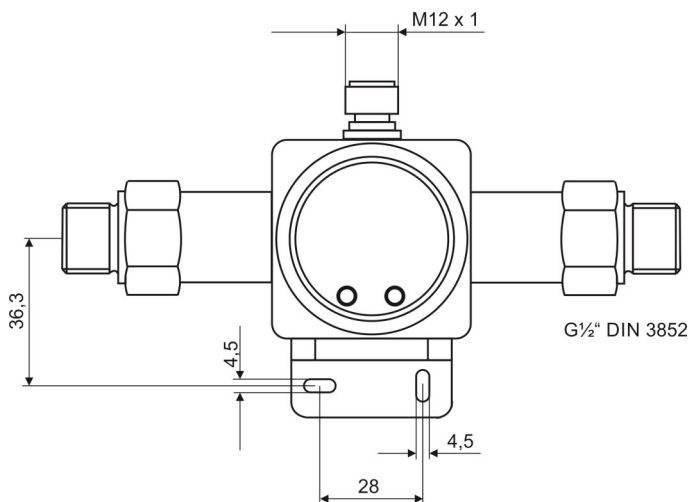
Mechanical and plant engineering  
Chemical industry  
Energy industry  
Food and beverage industry



Type	5359	Options
Differential pressure range	0...1 bar up to 0...70 bar	
Pressure connection	1.4404 G1/2 DIN 3852	G1/4 DIN 3852, 1/4 NPT, G1/2 and G1/4 EN837
Case	PA 6.6, Polycarbonate	
Seals (wetted parts)	FKM	others on request
Diaphragm	1.4435	
Wetted parts	Pressure connection, seals, diaphragm	
Display	4-digit red LED-Display, digit size 7 mm Display area -1999...+9999, accuracy 0,1% +/- 1 Digit, digital damping 0,3...30 s (programmable)	
Power consumption	Signal output current max. 60 mA (without switching current)	
Weight	approx. 350 g	
Operating life	> 100 x 10 <sup>6</sup> pressure cycles	
Protection	IP 65	
Electrical connection	Connector M 12x1/5-pin (IP67)	others on request
Analogue signal	3-wire: 4...20 mA 24 VDC ±10%	
Permissible burden	500 Ω	
Accuracy	≤ ±1% BFSL	
Number of switching outputs	1 PNP	2 independent PNP
Max. switching current	125 mA, short circuit proof	
Switching accuracy	≤ ± 0,5 % FSO	
Repeatability	≤ ± 0,1 % FSO	
Switching cycles	> 100 x 10 <sup>6</sup>	
Delay time	0...100 s	
Tolerance band	≤ ± 1,5 % FSO	
TC, average	± 0,2 % FSO / 10 K in compens. range 0...70 °C	
Temperatures	Medium: -40...125°C, ambient: -25...85°C, storage: -40...85°C	
Short-circuit protection	permanent	
Reverse polarity protection	no damage, but also no function	
Electromagn. compatibility	Emitted interference and interference immunity according to EN 61	
Mechanical stability	Vibration: 10 g RSM (20-2000 Hz), Shock: 100 g/11 ms	

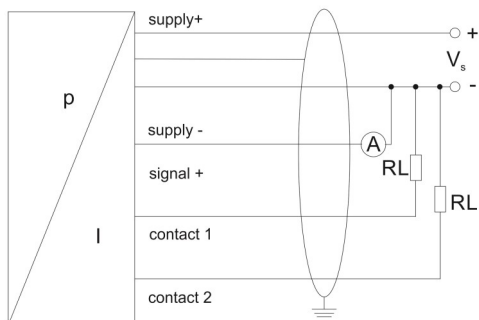
Type 5359

**Dimensional drawing** Dimensions in mm



<b>Nominal pressure</b>	<b>bar</b>	0...1	0...2	0...3,5	0...7	0...20	0...35	0...70
The nominal pressure corresponds to the maximal permissible static pressure (one-sided)								
<b>Differential pressure</b>	<b>bar</b>	up to 0...0,1	up to 0...0,2	up to 0...0,35	up to 0...0,7	up to 0...2	up to 0...3,5	up to 0...7

**Connection diagram**



**Pin configuration**

Electrical connections	M12 x 1 (5-pin) plastic	Cable outlet (IP67)
Supply +	1	wh (white)
Supply -	3	bn (brown)
Signal +	2	gn (green)
Contact 1	4	gy (grey)
Contact 2	5	pk (pink)
Shield	via pressure port	ye/gn (yellow/green)

**Pressure connection**

