

DIGITAL DIFFERENTIAL PRESSURE TRANSMITTER / PRESSURE SWITCH



DRUCK & TEMPERATUR

for fluids and gases

Differential pressure 0...400 mbar up to 0...6 bar

Applications

Heating technology
Air conditioning and ventilation technology
Level measurement technology



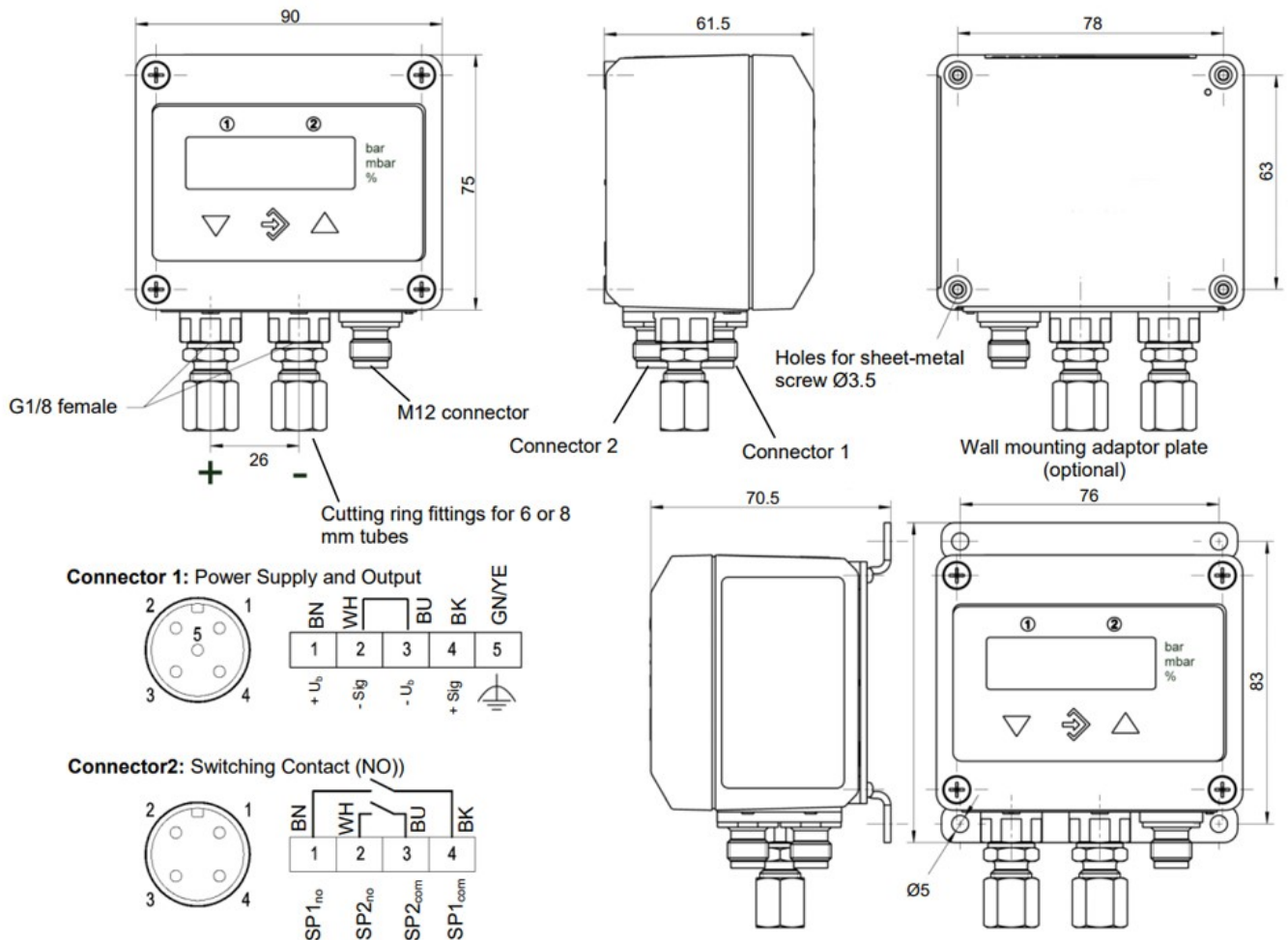
Type	5353	Options
Measuring ranges	0...400 mbar up to 0...6 bar	
stat. operating pressure	max. 16 bar	
Deviation (non-linearity + hysteresis) at 25°C, Measuring range in compensated range 0...60°C	Measuring range 0...400 mbar 0...0,6 bis 0...6 bar Deviation % FS max 2,5 2,5 TK span % FS/10K max 0,8 0,4 TK zero point % FS/10K max 0,8 0,5	
Pressure connection	G1/8 female	Cutting ring fittings for 6 and 8 mm tubes
Pressure chamber / Diaphragm	Brass	
Wetted parts	Brass, Viton®, NBR (Pressure connection, seals, membrane)	
Display	3½ digit LED	4-digit LCD colour change indicator
Case	Polyamid PA 6.6	
Temperatures	Ambient/medium: -10°C...+70°C, storage: -20°C...+70°C	
Electrical data	Nominal supply voltage 24V _{AC/DC} Operating supply voltage U _b =12...32 V _{AC/DC} electr. connection type 3-wire Power consumption 2 W/VA	
Output signal	4...20 mA	0...10 V, 0...20 mA
Switching contacts	2 sets of voltage free relay contacts	2 potential-free semiconductor switch (MOSFET)
Progr. switching function max. switch. voltage max. switch. current max. switch. output	Normally open (NO) Normally close (NC) 32 V AC/DC 2 A 64 W (VA)	One-pin activator (NO) One-pin deactivator (NC) 3...32 V AC/DC 0,25 A 8 W/VA
Electrical connection	2 x circular connector M12 Connector 1 (supply and analog output signal), 5-pin Connector 2 (relay contacts), 4-pin	
Protection	IP 65 acc. to DIN EN 60529	
Mounting	Rear mounting holes for panel mounting	Wall mounting adaptor plate
Accessories	Cable with M12 connector 4/5-pin 2 or 5 m	

Type 5353

Wall mounting

Dimensions

(All units in mm unless stated otherwise)



Programming via membrane keyboard with menu-guided operation or PC adapter

Damping	0,0...100,0 s (step response 10/90%)
Switching outputs	activation point, de-activation point, response time delay (0...1800s), function (normally open, normally close)
Measuring range unit	bar, PSI, kPa, "free unit"
Output signal	start value, end value and decimal place for "free unit"
Zero-point suppression	0...1/3 of measuring range (measured values around zero are set to zero)
Offset correction	± 1/3 of measuring range (to compensate for different installation positions)
Output characteristic curve	linear, square rooted, table (3...30 entries)
Password	001...999 (000 = no password protection)