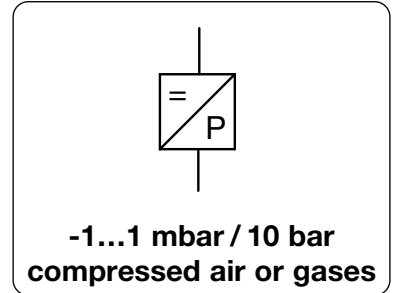


<b>Description</b>	The differential pressure between port H and L is converted into a proportional, electrical signal by a silicon pressure transducer, amplified and then monitored as an analogue voltage or current signal.		
<b>Media</b>	compressed air or non-corrosive gases		
<b>Supply voltage</b>	12...32 V DC, residual ripple 5%	with voltage protection	
<b>Electrical connector</b>	plug M12x1, 4-pin, optionally 4-wire connection cable		
<b>Output signal</b>	4...20 mA: max. power consumption 260 mW	1...6 V: max. power consumption 60 mW	
<b>Linearity/Hysteresis</b>	< 0.1 % FS typ.	< 0.25% FS	
<b>Repeatability</b>	< 0.1 % FS typ.	< 0.5 % FS	
<b>Long-term stability</b>	< 0.2 % FS typ.	< 0.5 % FS	
<b>Temperature sensitivity</b>	< 0.02% FS typ. per °C at 0 to 50 °C / 32 to 122 °F	< 0.16% FS typ. per °C at 0 to 50 °C	
<b>Response time</b>	1 ms for 10...90% of pressure range	<b>Shock resistance</b> 50 g	
<b>Vibration resistance</b>	10 g at 5...500 Hz	<b>Protection class</b> IP 67 with plug mounted	
<b>Mounting position</b>	upright	<b>Temperature range</b> -25 °C to 85 °C / -13 °F to 185 °F	
<b>Material</b>	Body: aluminium		

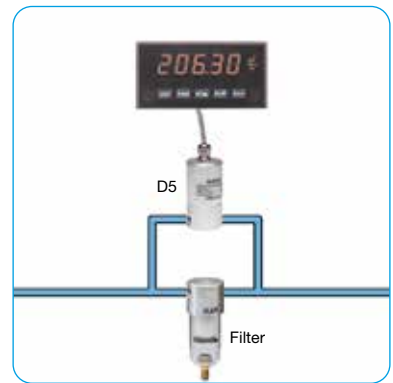


Dimensions		Differential pressure	Overpressure	Measurement range	Order number
B	Ø	max. bar	both ports max. bar	mbar/bar	

Differential pressure transducer 4-20 mA					
86	40	0.25	0.5	0... 1 mbar -1... 1 mbar 0... 2 mbar -2... 2 mbar	<b>D5</b> G½, 2-wire, with angular coupling socket <b>D5A-A1*1</b> <b>D5A-A1V</b> <b>D5A-A2*1</b> <b>D5A-A2V</b>
86	40	0.35	0.75	0... 5 mbar -5... 5 mbar 0... 10 mbar -10... 10 mbar	<b>D5A-A5*1</b> <b>D5A-A5V</b> <b>D5A-B1*1</b> <b>D5A-B1V</b>
86	40	0.35	3.5	0... 25 mbar -25... 25 mbar	<b>D5A-B2</b> <b>D5A-B2V*1</b>
86	40	1.4	12	0... 70 mbar -70... 70 mbar 0... 350 mbar -350... 350 mbar	<b>D5A-B7</b> <b>D5A-B7V</b> <b>D5A-C3</b> <b>D5A-C3V*1</b>
86	40	2	12	0... 1 bar -1... 1 bar	<b>D5A-O1</b> <b>D5A-V1</b>
86	40	4	12	0... 2 bar	<b>D5A-O2*1</b>
		10	12	0... 5 bar	<b>D5A-O5*1</b>
		12	20	0... 10 bar	<b>D5A-10*1</b>



D5                      D5-L1



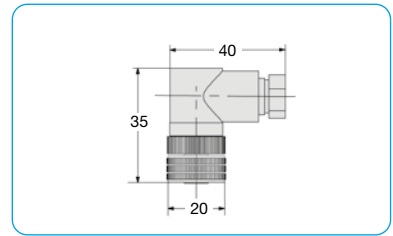
example: filter control

### Special options, add the appropriate letter or number

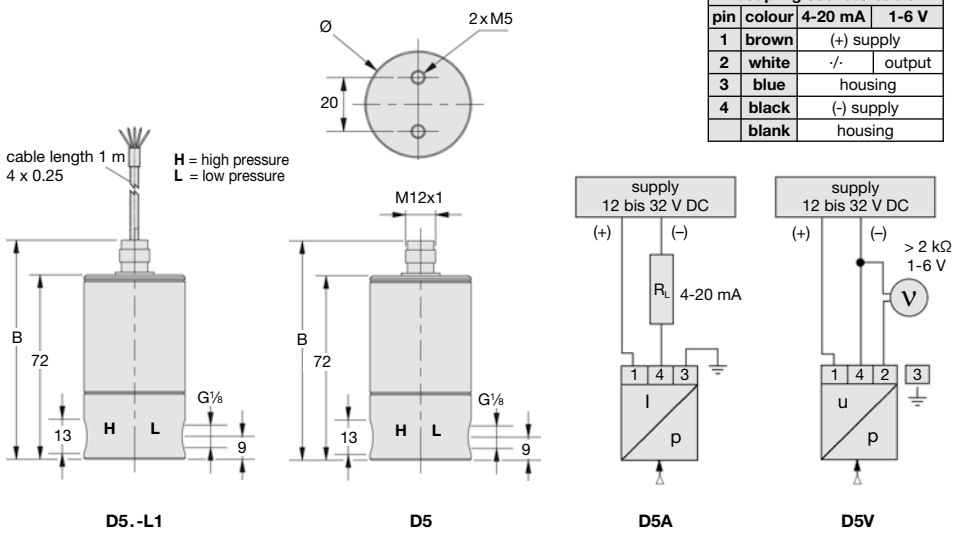
<b>1-6 V</b>	output signal, from measurement range 2 mbar > 10 mbar*1	<b>D5V- . .</b>
<b>1 m connection cable</b>	fixed at the device	<b>D5 . . . L*11</b>

### Accessories, enclosed

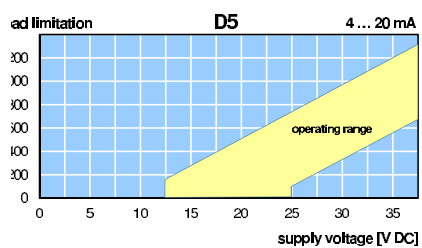
<b>coupling socket 4-pin</b>	M12x1, straight	<b>KM12-A4-0</b>	angular	<b>KM12-C4-0</b>
<b>socket with cable</b>	2 m, straight	<b>KM12-A4-2</b>	angular	<b>KM12-C4-2</b>
	5 m, straight	<b>KM12-A4-5</b>	angular	<b>KM12-C4-5</b>



KM12-C4-0



coupling socket / cable		
pin	colour	4-20 mA / 1-6 V
1	brown	(+) supply
2	white	- / - output
3	blue	housing
4	black	(-) supply
blank		housing



\*1 Minimum order quantity 5 pieces