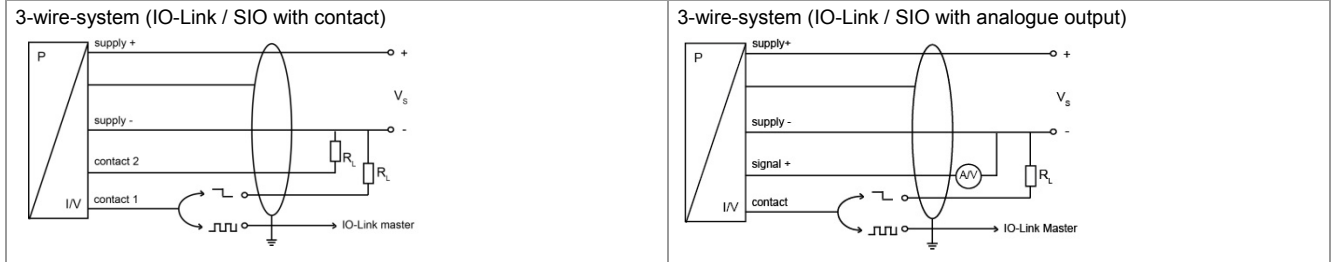


Materials	
Pressure port / Housing	stainless steel 1.4404 (316L)
Display housing	standard: PA 6.6
Seals (media wetted)	standard: FKM option: EPDM others on request
Diaphragm	stainless steel 1.4435 others on request
Media wetted parts	pressure port, seal, diaphragm
Miscellaneous	
Display	4-digit, red LED display, digit height 7 mm, range of indication -1999 ... +9999, visible range 22.5 x 10.5 mm, 4 LED's for unit switching (bar, mbar, PSI, MPa) status display contact: contact 1 : LED, green, contact 2: LED, yellow
Operation	2 buttons / functions according to VDMA 24574-1
Turn-on time	110 msec
Weight	approx. 220 g
Operational life	100 million load cycles
Current consumption	< 40 mA
Protection class	IP 65 / IP 67
Installation position	any ²
CE-conformity	EMC Directive: 2014/30/EU Pressure Equipment Directive: 2014/68/EU (module A) ³

Small text block containing technical notes or footnotes, likely related to CE conformity and installation requirements.

Wiring diagrams



Pin configuration

Electrical connections	M12x1 (4-pin) metal (without analogue output)	M12x1 (4-pin) metal (with analogue output)
Supply +	1	1
Supply -	3	3
Signal +	-	2
Communication / contact 1	4	4
Contact 2	2	-
Shield	pressure port	pressure port

Ordering code DS 300

DS 300

□□□ - □□□□ - □□ - □ - □ - □□□□ - □□□□ - □ - □□□□

Pressure		7	9	2																
	gauge in bar	7	9	2																
	absolute in bar ¹	7	9	4																
Input [bar]																				
	0.10 ¹	1	0	0	0															
	0.16 ¹	1	6	0	0															
	0.25 ¹	2	5	0	0															
	0.40	4	0	0	0															
	0.60	6	0	0	0															
	1.0	1	0	0	1															
	1.6	1	6	0	1															
	2.5	2	5	0	1															
	4.0	4	0	0	1															
	6.0	6	0	0	1															
	10	1	0	0	2															
	16	1	6	0	2															
	25	2	5	0	2															
	40	4	0	0	2															
	60	6	0	0	2															
	100	1	0	0	3															
	160	1	6	0	3															
	250	2	5	0	3															
	400	4	0	0	3															
	600	6	0	0	3															
	-1 ... 0	X	1	0	2															
	customer	9	9	9	9															consult
output																				
	IO-Link / SIO ²					I	O													
	IO-Link / SIO + 0 ... 10 V / analogue ³					I	3													
	IO-Link / SIO + 4 ... 20 mA / analogue ³					I	7													
contact																				
	1 x PNP							1												
	1 x NPN							5												
	2 x PNP							2												
	2 x NPN							6												consult
	customer							9												consult
Accuracy																				
	standard for P _N ≥ 0.4 bar							3												
	standard for P _N < 0.4 bar							5												
	customer							9												consult
Electrical connection																				
	Male plug M12x1 (4-pin) / metal							M	2	L										
	customer							9	9	9										consult
Mechanical connection																				
	G1/2" DIN 3852							1	0	0										
	G1/2" EN 837							2	0	0										
	G1/4" DIN 3852							3	0	0										
	G1/4" DIN 3852, internal thread							J	0	0										
	G1/4" EN 837							4	0	0										
	G1/2" DIN 3852 with ⁴							F	0	0										
	flush sensor																			
	G3/4" DIN 3852 with ⁴							K	0	0										
	flush sensor																			
	1/2" NPT							N	0	0										
	1/4" NPT							N	4	0										
	customer							9	9	9										consult
Seals																				
	FKM										1									
	EPDM										3									
	customer										9									consult
Special version																				
	standard										0	0	0							
	customer										9	9	9							consult

¹ absolute pressure possible from 0.4 bar
² possible in combination with contact code 2, 6
³ possible in combination with contact code 1, 5
⁴ not possible for nominal pressure P_N > 40 bar; also not possible for vacuum ranges; for G3/4" flush nominal pressure abs. on request