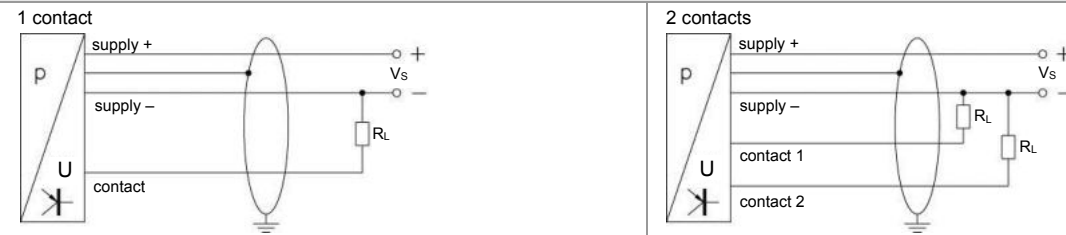


Electrical protection		
Short-circuit protection	permanent	
Reverse polarity protection	no damage, but also no function	
Electromagnetic compatibility	emission and immunity according to EN 61326	
Mechanical stability		
Vibration	10 g RMS (20 ... 2000 Hz)	according to DIN EN 60068-2-6
Shock	100 g / 11 msec	according to DIN EN 60068-2-27
Materials		
Pressure port	stainless steel 1.4404 (316L)	
Housing	stainless steel 1.4305 (303)	
Seal of pressure port	FKM	others on request
Seal of sensor	none (welded)	
Sensor	stainless steel 1.4548 (17-4PH)	
Media wetted parts	pressure port, seal, sensor	
Miscellaneous		
Option for mechanical connections 1/4" NPT, R 1/4" and 7/16"-20 UNF	oxygen application	
Weight	approx. 90 g	
Installation position	any	
Operational life	100 million load cycles	
Ingress protection	IP 67	
CE-conformity	EMC Directive: 2014/30/EU	Pressure Equipment Directive: 2014/68/EU (module A) ²

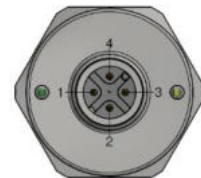
² This directive is only valid for devices with maximum permissible overpressure > 200 bar

Wiring diagrams

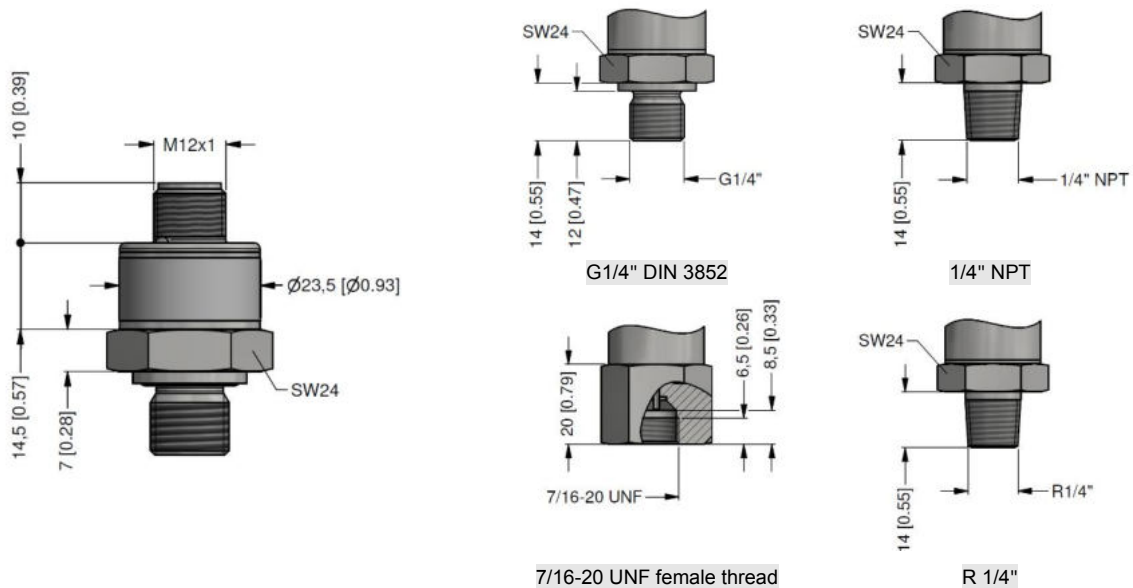


Pin configuration

Electrical connection	M12x1 (4-pin), metal
Supply +	1
Supply -	3
Contact 1	4
Contact 2	2
Shield	plug housing



Dimensions / Mechanical connections (mm / in)



Ordering code IDS5

IDS5



Pressure										
gauge	6	8	M							
Input										
[bar]										
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			
customer				9	9	9	9			consult
Number of contacts										
1 contact									1	
2 contacts									2	
Electrical connection										
M12x1 (4-pin), metal								M	1	3
customer								9	9	9
Mechanical connection / Seal										
G1/4" DIN 3852 /										
on pressure port: FKM								3	0	0
1/4" NPT / without								N	4	0
R1/4" / without								R	4	0
7/16"-20 UNF female thread / without								S	0	1
customer								9	9	9
Setting code										
standard ¹									0	0
setting according to customer ¹									9	9
Special version										
standard									0	0
oxygen application ²									0	0
oil and grease free									0	0
customer									9	9

¹ Parameters can be programmed by customer either with the programming kit CIS-G or with the programming device P6 (available as accessories).

² not possible with G1/4" DIN 3852