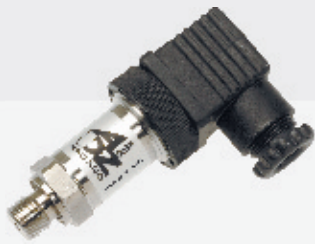


Specifications

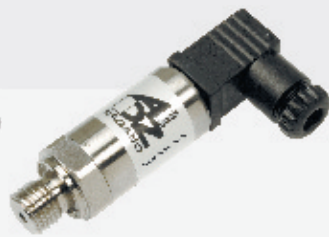
PRESSURE RANGE										
Measuring range*	p [bar]	1,0	1,6	2,0	2,5	4,0	6,0	10,0	16,0	
Overload pressure	p [bar]	6	6	6	10	10	20	20	40	
Burst pressure	p [bar]	9	9	9	15	15	30	30	60	
Measuring range*	p [bar]	20	25	40	60	100	160	200	250	
Overload pressure	p [bar]	40	100	100	200	200	400	400	750	
Burst pressure	p [bar]	60	150	150	300	300	600	600	1000	
Measuring range*	p [bar]	400	600	1000	1600	2000				
Overload pressure	p [bar]	750	840	1200	2400	2400	(vacuum, relative pressure, +-, absolute pressure are available)			
Burst pressure	p [bar]	100	1050	1500	3000	3000				
ELECTRICAL PARAMETER		Signal				U _s [V _{DC}]	RA [Ω]			
Output signal * and maximum acceptable burden R _A	R _A in Ohm	4...20 mA (2-wire)				9...27	acc. to R _A = < (U _s - 10V) / 0,02 A			
Response time* (10...90%)	t [ms]	< 1								
Withstand voltage	U [V _{DC}]	720	(=500 V _{AC})							
ACCURACY										
Accuracy @ RT	% of the range	≤ 0,50**	option ≤ 0,25		** incl. nonlinearity, hysteresis, repeatability, zero-offset- and final-offset (acc. to IEC 61298-2)					
	BFSL	≤ 0,25								
Non-linearity	% of the range	≤ 0,15								
Repeatability	% of the range	≤ 0,15								
Stability/year	% of the range	≤ 0,15								
ACCEPTABLE TEMPERATURE RANGES										
Measuring medium	T [°C]	-20...85								
Ambience	T [°C]	-20...85								
Storage	T [°C]	-40...125								
Compensated range*	T [°C]	-20...85								
Temperature coefficient within the compensated range										
Mean TC offset	% of the range	≤ 0,15 / 10K								
Mean TC range	% of the range	≤ 0,15 / 10K								
Total error	% of the range	-40°C	2,00%							
	% of the range	85°C	2,00%							
DIRECTIVE ATEX										
Type of ignition protection	II 2G EEx ia IIC T4 (IBEx 04 Atex 1182)									
Underlying standards	EN 50014, EN 50020									
Maximum connected power	30 V, 50 mA, 1 W									
Temperature class	T4 (ambient temperature -40...+85° C)									
MECHANICAL PARAMETER										
Parts in contact with the measuring medium*	stainless steel									
Housing*	stainless steel									
Shock resistance	g	1000	acc. to IEC 68-2-32							
Vibration resistance	g	20	acc. to IEC 68-2-6 und IEC 68-2-36							
Mass	m [g]	80-120	depending on design							
CE-conformity	EC directive 89/336/EWG									
IP system of protection	The IP system of protection as specified in the data sheets generally applies, with their mating plug connected. Relative pressure transmitters usually require a ventilated mating plug and/or cable to allow for pressure compensation. From a pressure range of 60bar, a ventilated mating plug and/or cable is not necessarily required.									
* others upon request										

Configurations -examples-

SMX (MVS/A connector)



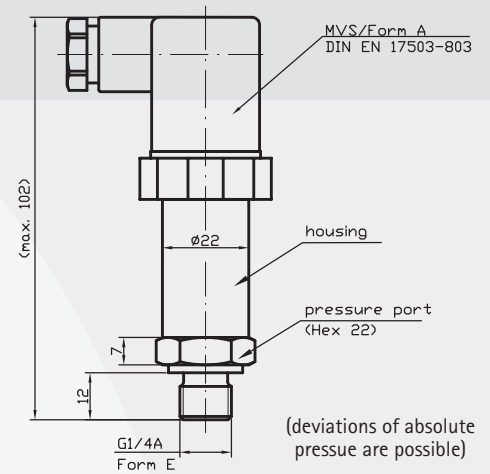
MVS/A



MVS/C

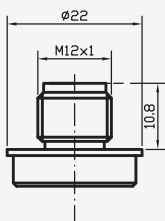


M12x1
(S763)

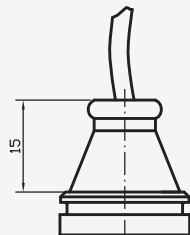


Connectors*

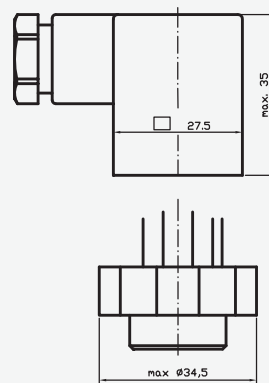
male socket
M12x1
(S 763)



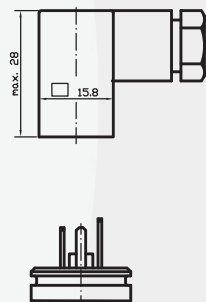
cable output
plastic



MSV/A
DIN EN 175301-803

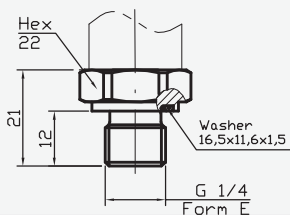


MSV/C
DIN EN 175301-803

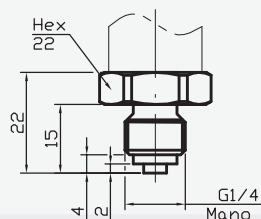


Pressure Connections*

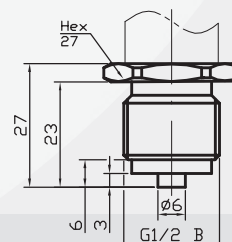
G 1/4 A;
DIN 3852; Form E



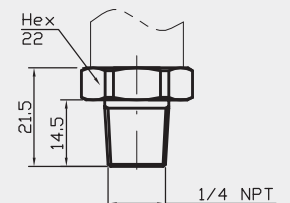
G 1/4 B



G 1/2 B



1/4 NPT



* custom-made adjustments acc. to pressure connections and connecting options are possible

