

#### Main features

- Measuring ranges -1...0 bar; 0...1 bar and to 0...1000 bar
- All standard signals for industry, hydraulics and pneumatics
- Temperature range of media -40°C to 125°C
- Shock and vibration resistance > 1000 g shock, > 20 g vibration
- No internal transmission media (fully welded, "dry" measuring cell)
- Protection class IP67 (special version up to IP69K)
- Compact and rugged model in stainless steel
- High flexibility for options thanks to modular design
- Plug systems MVS/A acc. to DIN EN 175301-803 A, MVS/C acc. to DIN EN 175301-803 E, M12
- Short delivery times



### **Applications**

- generally to be used in industrial applications
- Hydraulics
- Pneumatics
- Engineering
- Industrial Equipment and Automation technology

### **Description**

Thanks to its stainless steel membrane and to its semiconductor thin-film technology, the transducer has excellent properties that suggest its advantageous use in most industrial applications. Its robust design guarantees high reliability even in very rugged conditions. Its modular design permits cost-effective production, also in small batches, and offers a multitude of signal, thread and connecting options that can be supplied within very short time.



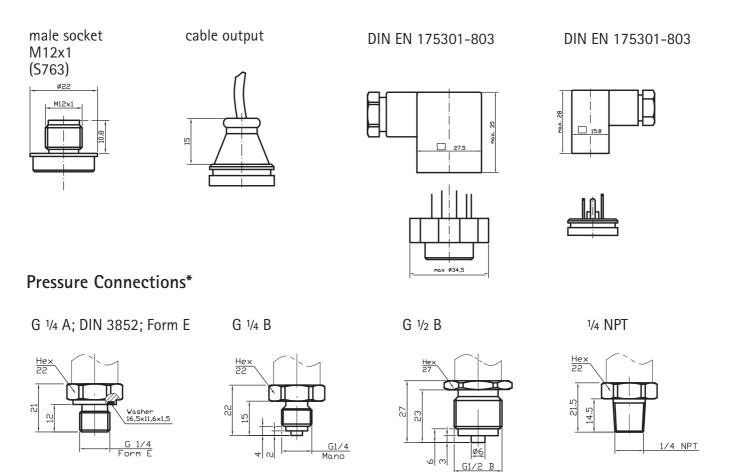
# Specifications

•									
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	
Overload pressure	p [bar]	40	100	100	200	200	400	400	
Burst pressure	p [bar]	60	150	150	300	300	600	600	
Measuring range*	p [bar]	250	400	600	1000	300	000	000	
Overload pressure	•					(vo ou um	rolotivo pro	occuro i	
•	p [bar]	750	750	840	1200	(vacuum, relative pressure, +-, absolute pressure are available)			
Burst pressure	p [bar]	1000	1000	1050	1500	absolute	pressure ar	re avallable,	
ELECTRICAL PARAMETER									
ELECTRICAL PARAMETER		signal			$U_s [V_{pc}]$	$R_{L}[k\Omega]$	$RA\left[\Omega\right]$		
Output signal* and	D : Ob	=	(2i 2			n <sub>L</sub> [KS2]		. (11 - 1	01/1/0.02/1
Output signal* and	R <sub>A</sub> in Ohm	420 mA			932	F 0	acc. to R	$I_A = \langle U_S - I_S \rangle$	0V) / 0,02 A
maximum acceptable burden	n K <sub>A</sub>	010 V <sub>DC</sub>	(3-wire)		1232	> 5,0			
		05 V <sub>DC</sub>			832	> 2,5			
		15 V <sub>DC</sub>			832	> 2,5			
		0,54,5 V <sub>D</sub>	<sub>c</sub> ratiometric	2	5 ±10%	> 4,7			
Response time* (1090%)	t [ms]	< 1							
Withstand voltage	U [V <sub>DC</sub> ]	350	option 710						
4.00UD 4.0V									
ACCURACY									ee .
Accuracy @ RT	% of the range		option ≤ 0	),25					zero-offset-
	BFSL	≤ 0,125			and fina	ıl-offset (ac	c. to IEC 61	298-2)	
Non-linearity	% of the range								
Repeatability	% of the range								
Stability/year	% of the range	e ≤ 0,10							
ACCEPTABLE TEMPERATUR	E DANCEC								
		40 405							
Measuring medium	T [°C]	-40125	( =-	_\					
Ambience	T [°C]	-40105	(option -5	5)					
Storage	T [°C]	-40125							
Compensated range*	T [°C]	-2085							
Temperature coefficient with									
Mean TC offset	% of the range	$e \le 0,15 / 10$	K						
Mean TC range	% of the range	ge ≤ 0,15 / 10K							
Total error	% of the range	e -40°C 2,0	00%						
	% of the range	e 105°C 2,0	00%						
MECHANICAL PARAMETER									
Parts in contact with the me	asuring mediu	m*	stainless st	teel					
Housing*			stainless st	teel					
Shock resistance	g		1000	acc. to IE	EC 68-2-32				
Vibration resistance	g		20	acc. to IE	EC 68-2-6 un	d IEC 68-2-	36		
Mass	m [g]		80-120	dependi	ng on design				
CE - conformity			EC Directiv	re 89/336	S/EWG				
IP system of protection			The IP syst	em of prot	ection as spe	cified in the	data sheet	ts generally	applies, with the
				_					e a ventilated ma
									ire range of 60ba
* others upon request			a ventilate	d mating p	olug and/or ca	able is not n	ecessarily r	reguired.	

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## Connectors\*



<sup>\*</sup> custom-made adjustments acc. to pressure connections and connecting options are possible

# Electrical Connections\* (left: 2-wire, right: 3-wire)

