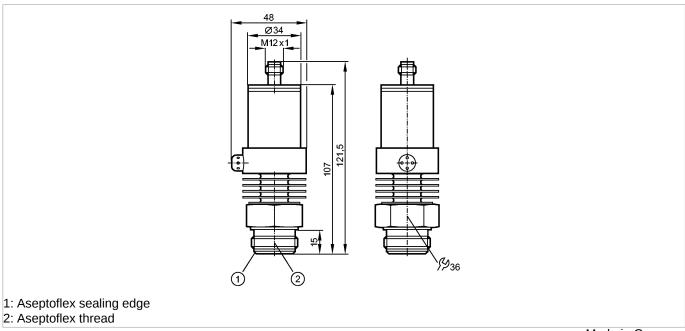
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PM2053

PM-025-RES30-E-ZVG/US/ /P











Made in Germany

Product characteristics	
Electronic pressure sensor	
Quick disconnect	
Process connection: for Aseptoflex adapter	
no dead space	
Zero and span adjustable	
Programmable via EPS interface	
Analog output	
Measuring range: -125 bar / -15363 psi / -0.12.5 MPa	

Application				
Application		Type of pressure: relative pressure Hygienic systems, viscous media and liquids with suspended particles Liquids and gases		
Pressure rating		100 bar	1450 psi	10 MPa
Bursting pressure min.		350 bar	5070 psi	35 MPa
Medium temperature	[°C]		-25125 (145 max. 1h)	
Electrical data				
Electrical design		DC		
Operating voltage	[V]	1430 DC		

Electrical design		BC
Operating voltage	[V]	1430 DC
Insulation resistance	[MΩ]	> 100 (500 V DC)
Protection class		III
Reverse polarity protection	n	yes
Outputs		
Output		Analog output
Output function		420 mA analog

yes 4...20 mA

max. (Ub - 13 V) \times 50; 550 at Ub = 24 V

Measuring /	setting	range

[Ω]

Overload protection

Analog output

Max. load

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PM-025-RES30-F-7VG/US/ /P

Electrical connection

Connection Wiring



PM-025-RES30-E-ZVG/US/ /P			Pressure sensors	
Measuring range	-125 bar	-15363 psi	-0.12.5 MPa	
Setting range				
Analog start point, ASP	-1.018.8 bar	-15272 psi	-0.101.88 MPa	
Analog end point, AEP	5.325.0 bar	76363 psi	0.532.50 MPa	
in steps of	0.1 bar	1 psi	0.01 MPa	
Factory setting	ASP = 0.0 bar; AEP = 25.0 bar			
Accuracy / deviations				
Accuracy / deviations (in % of the span) Turn down 1:1				
Characteristics deviation *)		< ± 0.6		
Linearity		< ± 0.5		
Hysteresis		< ± 0.1		
Repeatability **)		< ± 0.1		
Long-term stability ***)		< ± 0.1		
Temperature coefficients (TEMPCO	D) in the temperature range 0	80° C (in % of the span per	10 K)	
Greatest TEMPCO of the zero point	atest TEMPCO of the zero point $< \pm 0.1$			
Greatest TEMPCO of the span	Greatest TEMPCO of the span < ± 0.2			
Reaction times				
Response time analog output [m	S]	3		
Environment				
Ambient temperature [°		-2580		
Storage temperature [°	-40100			
Protection	IP 67			
Tests / approvals				
EMC	EN 61000-4-2 ESD EN 61000-4-3 HF ra EN 61000-4-4 Burs EN 61000-4-6 HF c	adiated: 10 V/m t: 2 kV	kV AD	
Shock resistance	DIN IEC 68-2-27:	50 g (11 ms)		
Vibration resistance	DIN IEC 68-2-6:	20 g (1020	00 Hz)	
MTTF [Year	s]	271		
Mechanical data				
Process connection		for Aseptoflex adapter		
Materials (wetted parts)	`	O3); PTFE; stainless steel haracteristics: Ra < 0.4 / R:	,	
Housing materials	stainless	steel 316L / 1.4404; PEI; F	PM (Viton)	
Min. pressure cycles		100 million		
Weight [k	g]	0.467		

M12 connector; gold-plated contacts

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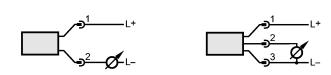


PM-025-RES30-E-ZVG/US/ /P



Pressure sensors





Remarks		
Remarks		*) linearity, incl. hysteresis and repeatability; (limit value setting to DIN 16086) **) with temperature fluctuations < 10 K ***) in % of the span per year The 3A authorization is only valid if adapters with 3A authorization are used for installation.
Pack quantity	[piece]	1

ifm efector, inc. 782 Springdale Drive, Exton, PA 19341 — We reserve the right to make technical alterations without prior notice. — US — PM2053 — 19.03.2009