

IP24 IP-Transducer for field service



- High air capacity
- Low input resistance
- Easy adaptation of the Converter to ranges 0 to 20 mA or 4 to 20 mA
- Easy change of the output signal from bar to psi
- Mode of action normal or reverse
- Protection Class IP54 or IP65
- Version in II 2 G EEx ia IIC T6 acc. to ATEX

Input

Signal range 4 to 20 mA / 0 to 20 mA /
0 to 10 mA / 0 to 10 V

Input resistance (at 20 °C)
Normal Version and
Version II 2 G EEx ia IIC T6
acc. to ATEX < 220 Ohms

Signal Range
0 to 10 mA / 0 to 10 V < 1000 Ohms

Output

Signal range normal 0.2 to 1 bar, 3 to 15 psi,
20 to 100 kPa, 0.2 to 4 bar

Signal Range reverse 1 to 0.2 bar, 15 to 3 psi,
100 to 20 kPa, 4 to 0.2 bar

Supply air 1.4 ± 0.1 bar (20 ± 1.4 psi)
Air consumption < 100 l / h

For conversion of a standard electrical signal into a standard pneumatic signal.

Supply air. free of oil, dust, water
according to ISO 8573-1
Max. particle-size and -density Class 2
Max. oil contents Class 3

Transmission performance

Non-linearity (terminal based) < 0.3% of final value
Hysteresis < 0.1%
Supply pressure dependence < 0.25 %/0,1 bar
Temperature influence
Output normal < 0.3 %/10 K
Output reverse < 0.5 %/10 K
Sensitivity level < 0.02 %

Housing
Material Aluminum casting, finished
Protection Class IP54 or IP65

Model Codes

For complete specification, refer to Product Specification Sheet PSS EVE0401 A-(en)

IP-Transducer for field service	IP24					011004
Input						
Signal Range 0 - 20 mA		-A				
Signal Range 4 - 20 mA		-B				
Signal Range 0 - 10 mA (a)		-C				
Signal Range 0 - 10 V (a)		-D				
Output						
Signal Range 0.2 - 1 bar				K		
Signal Range 3 - 15 psi				L		
Signal Range 20 - 100 kPa				M		
Signal Range 0.2 - 4 bar (a)				N		
Signal Range 0.2 - 5 bar (a)				P		
Signal Range 0.2 - 6 bar (a)				Q		
Mode of Action						
Normal (For Version ZZZ)					D	
Normal (For Version EAA according to ATEX)					E	
Reverse					R	
Electrical Certification						
II 2 G EEx ia IIC T6					EAA	
Without					ZZZ	
Options						
Attachment Kit For Pipe Mounting						-A
Protection Class IP65						-B
Calibration In kp/cm ²						-C
Assembled free of oil and Grease / Designed for Aux. Energy Oxygen						-S
Tag No. Labeling						
Stamped With Weather Resistant Color						-G
Stainless Steel Label Fixed With Wire						-L
(a) Only available with Mode of Action Code D						