

Electronic pressure transducers EDI



Pressure transducers EDI

Pressure range up to 16 bar
for panel board mounting
Output signal: 4 - 20 mA

Electronic pressure transducer with integrated relative pressure sensor for panel board mounting, quick-connect for pneumatic tube, analogue output 4 to 20 mA and operating voltage 12...30 V-DC.

Function: the device converts the pressure applied to the sensor into a proportional DC-current (2 - wire technology).

Type overview EDI

Order reference	Measuring range (bar)*	Max. perm. pressure (bar)	Max. inaccuracy at 25° C	Operating voltage U_B (V-DC)	Part No.
EDI 10	0 - 10	25	2.5 %	12...30	260219
EDI 16	0 - 16	25	2.5 %	12...30	260226

*4 mA = 0 bar / 20 mA = measuring range end value

Technical Data EDI

Technical operating data	
Permissible operating voltage range	$\pm 10 \%$
Operating voltage influence at $\pm 10\%$ operating voltage fluctuation	$< 0.1\%$
Duty factor ED	100%
Permissible ambient and media temperature	-20° C up to +60° C
Permissible ambient humidity rel. humidity, non-condensing	10% up to 90%
Permissible storage temperature	-40° C up to +80° C
Clearance and creepage distances	VDE 0110
Working position	any position
Power consumption	max. 1 VA

Pressure connection	
Quick-connect suitable pneumatic tube	6 x 1 mm Festo PAN

Output signal	
Analogue output	4 - 20 mA

Enclosure	
Material	RABS flameproof, UL-approved
Mounting	snap on 35 mm DIN-rail connector acc. to EN 50 035
Enclosure-protection	IP 40
Protection against shock	acc. VBG 4
Terminals	Cage clamps
Cross section	2,5 mm ²
Weight	85 g

Dimensions- / Circuit Diagrams EDI

