

Pressure sensor EDS



- Pressure range up to 16 bar
- Output signal: 4 - 20 mA

Electronic pressure control with relative pressure sensor for direct installation either on or within a device, G 1/4" connection, analogue output 4 - 20 mA and operating voltage supply 11 ... 30 V DC. Electrical connection is effected in a straight forward and service-friendly manner - via a DIN.

A plug whereby a degree of protection IP 65 is realized.

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

Order reference	Measuring range (bar)*	Max. perm. pressure (bar)	Max. inaccuracy at 25° C	Operating voltage U_B (V-DC)	Weight (in g)	Part No.
EDS 6	0 - 6	32	2,5 %	11...30	150	260233
EDS 10	0 - 10	32	2,5 %	11...30	150	260240
EDS 16	0 - 16	32	2,5 %	11...30	150	260257

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

Accessories EDS

Order reference	Description	Weight (in g)	Part No.
EDS-ST	connection socket EDS, DIN 43650-A	110	260264

Technical operating data

Permissible operating voltage range	± 10 %
Operating voltage influence at ± 10% operating voltage fluctuation	< 0,1 %
Duty factor ED	100 %
Permissible ambient and media temperature	15°C bis +80°C
Permissible ambient humidity rel. humidity, non-condensing	10 % bis 90 %
Permissible storage temperature	-40°C bis +80°C
Clearance and creepage distances	VDE 0110
Working position	any position
Power consumption	max. 1 VA

Pressure connection

Flange	G 1/4"
Outer thread	

Output signal

Analogue output	4 - 20 mA
-----------------	-----------

Enclosure

Enclosure-protection	max. IP 65
Terminals	Flachstecker 4,5 mm
Cross section	EDS-ST 1,5 mm ²
Weight	150 g

Dimensions- / Circuit Diagrams EDS

