



Multi-EPC

... electronic Pressure Switch



Available in standard and DESINA version with rotatable casing and digital pressure display. Optional with one or two independent programmable threshold switches and an analog output to illustrate the pressure course.

Technical data

Measuring principle	piezo-resistive
Pressure type	relative pressure
Standard output signal	4 ... 20 mA / 0 ... 20 mA (selectable)
DESINA output signal	4 ... 20 mA
Electrical measuring connector	5-pole device plug, M12 x 1
Mechanical measuring connector	ISO 228 – G ¼ A
Protection type (EN 60529 / IEC 529)	IP 67 (only if connector is screwed)
Switching outputs	2 Mosfet high side switch PNP
Contact function	opener / closer
Switching voltage (VDC)	Supply voltage minus 1.5 VDC
Switching current	max. 0.7 A / switch
Short-circuit current	2.4 A / switch
Material casing / membrane	GD-ZnAl4Cu1 / 1.4542
Weight	~ 350 g
Supply voltage U_b	15 ... 30 VDC, nominal 24 VDC (ripple < 5 % V_{ss} of U_b)
Current consumption	< 100 mA
Error limit (of final value)	± 0.5 %
Response time	≥ 10 ms
Medium temperature	-20 ... +85 °C
Environmental temperature	-20 ... +85 °C
Storage temperature	-30 ... +100 °C
Mounting orientation	arbitrary

Versions and order numbers

Measuring range		Order number	
bar	MPa	Standard	DESINA
0 ... 25	0 ... 2.5	3160-10-40.01	3160-11-40.02
0 ... 100	0 ... 10	3160-10-16.01	3160-11-16.02
0 ... 250	0 ... 25	3160-10-17.01	3160-11-17.02
0 ... 400	0 ... 40	3160-10-15.01	3160-11-15.02
0 ... 700	0 ... 70	3160-10-39.01	3160-11-39.02