

Compact differential pressure switch, flameproof enclosure Ex d

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Applications

- Differential Pressure monitoring and control of processes
- Safety-critical applications in general process instrumentation, especially in the chemical and petrochemical industries, oil and gas industries, power generation incl. nuclear power plants, water/wastewater industries, mining
- For gaseous, liquid and aggressive media, also in aggressive ambience
- For measuring points with limited space, e.g. control panels
- Filter and level monitoring

Special features

- No power supply needed for switching of electrical loads
- Robust switch enclosure from aluminium alloy or stainless steel 316L, IP 66, NEMA 4X
- Setting ranges from 0 ... 160 mbar up to 0 ... 40 bar and high working pressure (static pressure) and high one side pressure up to 250 bar
- Intrinsic safety Ex ia available
- 1 set point, SPDT or DPDT, high switching power up to AC 250 V, 15 A



Order numbers

Switch enclosure	Aluminium, epoxy resin coated	
Contacts	A - 1 x SPDT, silver contact	G - 1 x DPDT, silver contact
Process Connection	2x 1/4 - 18 NPT-F	
Electrical connection	2x 1/2 -14 NPT-F	
Static pressure	40 bar	
Setting range		
0 ... 160 mbar	14161832	14161834
0 ... 400 mbar	14161835	14161836
0 ... 1 bar	14161837	14161838
0 ... 4 bar	14161839	14161840
0 ... 10 bar	14161841	14161842

Legend: available from stock in Germany available after production **** not available

Quick order code (for further details see data sheet PV 35.41)

Field no.	Code	Version
Static and one-side pressure		
①	C	25 bar
	L	40 bar
	M	100 bar
	H	160 bar
	A	250 bar
Model of Differential Cell		
②	L	L
	H	H
	V	V
Switch enclosure		
③	2	aluminium, epoxy resin coated
	4	stainless steel 316L
Electric contacts		
④	A	1xSPDT, silver contact
	B	1xSPDT, silver contact, hermetically sealed with argon gas
	C	1xSPDT, gold-plated contact, hermetically sealed with argon gas
	G	1xDPDT, silver contact
Setting range		
⑤	MAK	0...160 mbar
	MAM	0...250 mbar
	MAN	0...400 mbar
	MAO	0...600 mbar
	BBD	0...1 bar
	BBF	0...1,6 bar
	BBG	0...2,5 bar
	BBH	0...4 bar
	BBI	0...6 bar
	BBJ	0...10 bar
	BBK	0...16 bar
	BBL	0...25 bar
	BBM	0...40 bar
Process Connection		
⑥	B	2x1/4 - 18 NPT-F
	2	Adaptor 1/2 -14NPT-M
	3	Adaptor 1/2 -14NPT-F
	4	Adaptor G 1/2 A-M
	5	Adaptor G 1/4 A-M
	6	Adaptor G 1/4 -F
Electrical connection		
⑦	L	2x1/2 -14 NPT-F
	I	Adaptor M20x1,5-F
	H	Adaptor 3/4 -14 NPT-F
Special design features		
⑧	D	wetted parts dried
	O	Cleaning for oxygen service
	N	NACE
	Z	without
Ambient/application condition		
⑨	O1	Offshore
	ZZ	without

Order code: DE - B- M

Please specify approvals and certificates via free text.

C5 Flameproof Ex d IECEx-ATEX
C4 SIL 2 for functional safety

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We reserve the right to make modifications to the specifications and materials.

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