

Differential pressure switch, flameproof enclosure Ex d

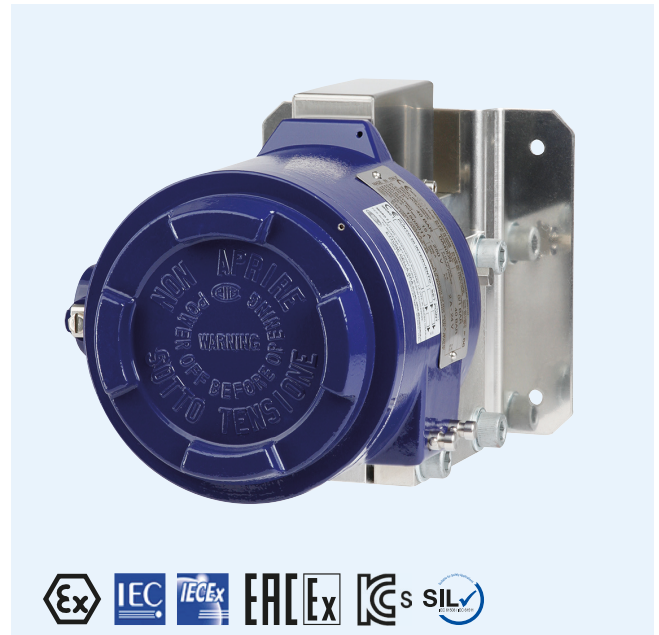
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**Applications**

- 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
- Filter and level monitoring

**Special features**

- No power supply needed for switching of electrical loads
- Robust switch enclosure from aluminium alloy, IP 66, NEMA 4X
- Setting ranges from 0 ... 16 mbar up to 0 ... 40 bar and high working pressure (static pressure) and high one side pressure up to 160 bar
- Repeatability: ≤1% of span
- 1 or 2 independent set points, high contact rating up to AC 250 V, 20 A



**Order numbers**

Process Connection		2x 1/4 - 18 NPT-F	
Electrical connection		1/2 -14 NPT-F	
Contacts		UN - 1 x SPDT silver contact	DN - 2 x SPDT or 1 x DPDT silver contact
Setting range	Static pressure		
0 ... 60 mbar	10	14159765	14159766
0 ... 400 mbar	40	14159767	14159768
0 ... 1 bar	40	14159769	14159770
0 ... 4 bar	40	14159771	14159772
0 ... 10 bar	40	14159773	14159774

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

Quick order code (for further details see data sheet PV 35.43)

Field no.	Code	Version		
<b>Model of Differential Cell</b>				
①	-	without code		
	L	L		
	V	V		
<b>Static and one-side pressure</b>				
②	-10	static pressure: 10 bar, one-side pressure: 2bar *only for setting range 0...16mbar*		
	10-	10 bar		
	40-	40 bar		
	100	100 bar		
	160	160 bar		
<b>Electric contacts</b>				
③	UN	1 x SPDT silver contact		
	US	1 x SPDT silver contact, hermetically sealed, argon gas filling		
	UO	1 x SPDT gold-plated contact, hermetically sealed, argon gas filling		
	UG	1 x SPDT gold-plated contact		
	UR	1x SPDT silver contact, adjustable dead band		
	DN	2 x SPDT or 1 x DPDT silver contact		
	DS	2 x SPDT or 1 x DPDT silver contact, hermetically sealed, argon gas filling		
	DO	2 x SPDT or 1 x DPDT gold-plated contact, hermetically sealed, argon gas filling		
	DG	2 x SPDT or 1 x DPDT gold-plated contact		
<b>Setting range</b>				
④	MAF	0...16 mbar	BBD	0...1 bar
	MAG	0...25 mbar	BBG	0...2,5 bar
	MAH	0...40 mbar	BBH	0...4 bar
	MAI	0...60 mbar	BBI	0...6 bar
	MAK	0...160 mbar	BBJ	0...10 bar
	MAM	0...250 mbar	BBK	0...16 bar
	MAN	0...400 mbar	BBL	0...25 bar
	MAO	0...600 mbar	BBM	0...40 bar
	<b>Process Connection</b>			
	⑤	B	2x1/4 - 18 NPT-F	
2		Adaptor 1/2 -14NPT-M		
3		Adaptor 1/2 -14NPT-F		
<b>Special design features</b>				
⑥	O	cleaning for oxygen service		
	D	wetted parts dried		
	N	NACE		
	Z	without		
<b>Ambient/application condition</b>				
⑦	O1	Offshore		
	ZZ	without		

Order code: DA  ①  ②  ③ -  ④ B-  AM  ⑥  ⑦

Please specify approvals and certificates via free text.

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

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