

Differential pressure switch, stainless steel switch enclosure

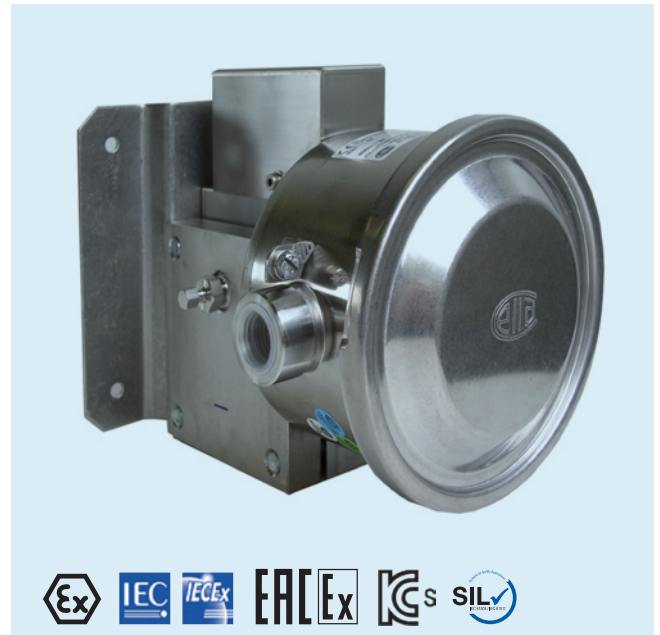
05/2016

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 316L, 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
- Intrinsic safety Ex ia available
- 1 or 2 independent set points, SPDT or DPDT, high switching power up to AC 250 V, 20 A



Order numbers

Process Connection		2 x 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	14159714	14159715
0 ... 400 mbar	40	14159716	14159718
0 ... 1 bar	40	14159719	14159721
0 ... 4 bar	40	14159722	14159723
0 ... 10 bar	40	14159724	14159725

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

Quick order code (for further details see data sheet PV 35.42)

Field no.	Code	Version
Model of differential cell		
①	-	without code
	L	L
	V	V
Static and one-side pressure		
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
Electric contacts		
③	UN	1x SPDT silver contact
	US	1x SPDT silver contact, hermetically sealed, argon gas filling
	UO	1x SPDT gold-plated contact, hermetically sealed, argon gas filling
	UG	1x 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
Setting range		
④	MAF	0...16 mbar
	MAG	0...25 mbar
	MAH	0...40 mbar
	MAI	0...60 mbar
	MAK	0...160 mbar
	MAM	0...250 mbar
	MAN	0...400 mbar
	MAO	0...600 mbar
	BBD	0...1 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		
⑤	B	2x1/4 - 18 NPT-F
	2	Adaptor 1/2 NPT-M
	3	Adaptor 1/2 NPT-F
Special design features		
⑥	O	cleaning for oxygen service
	D	wetted parts dried
	N	NACE
	Z	without
Ambient/application condition		
⑦	O1	Offshore
	ZZ	without

Order code: DW - B- AM

Please specify approvals and certificates via free text.

C1 Intrinsic Safety Ex ia IECEx-ATEX
C4 SIL2 for functional safety

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