

Applications

- 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

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 ... 2.5 bar to 0 ... 1,000 bar, vacuum ranges
- Repeatability of the set point $\leq 0.5\%$ of span
- 1 or 2 independent set points, SPDT or DPDT, high switching power up to AC 250 V, 20 A



Order numbers

Process connection	1/4 NPT-F	
Electrical connection	1/2 NPT-F	
Wetted materials	Bourdon tube and process connection AISI 316L	
Contacts	UN - 1 x SPDT, silver contact	US - 1 x SPDT, silver contact, hermetically sealed with argon gas
Setting range		
0 ... 6 bar	14151913	14151914
0 ... 16 bar	14151916	14151917
0 ... 40 bar	14151918	14151919
0 ... 100 bar	14151922	14151923
0 ... 160 bar	14151924	14151925
0 ... 250 bar	14151926	14151927

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

Quick order code (for further details see data sheet PV 32.21)

Field no.	Code	Version
Model		
①	BAX	Model BAX, Ex d IIC Ga/Gb, Ex ta/tb IIIC Da/Db and Ex d II 1/2GD
	BA-	Model BA, Ex d IIC Gb, Ex tb IIIC Db and Ex d II 2 GD
Electric contacts		
②	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	1 x 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 (in bar)		
③	BBA	-1 ... +1.5 bar
	BBB	-1 ... +5 bar
	BBC	-1 ... +15 bar
	BBD	0 ... 2.5 bar
	BBE	0 ... 6 bar
	BBF	0 ... 16 bar
	BBG	0 ... 40 bar
	BBH	0 ... 100 bar
	BBI	0 ... 160 bar
	BBJ	0 ... 250 bar
	BBK	0 ... 400 bar
	BBL	0 ... 600 bar
	BBM	0 ... 1,000 bar
Process connection		
④	1	1/4 NPT-F
	2	Adapter 1/2 NPT-M
	3	Adapter 1/2 NPT-F
Electrical connection		
⑤	A	1/2 NPT-F
	I	Adapter M20 x 1.5-F
Special design features		
⑥	O	Cleaning for oxygen service
	D	Wetted parts dried
	N	NACE
	Z	Without
Ambient / application condition		
⑦	D1	Suitable for ambient temperature to -60 °C
	O1	Offshore
	ZZ	Without

Please specify approvals and certificates via free text.

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

Order code: ① ② ③ **B** ④ ⑤ **AAM** ⑥ ⑦ **ZZZ**