



Double sensor DCI for electrical position feedback (Ball valve 546 Pro, 543 Pro and Butterfly Valve 565/567/578)

Model:

- Accessory for Ball Valve type 546 Pro, 543 Pro and Butterfly Valve 565/567/578
- Enables electrical position feedback, incl. LED, in combination with GF interface module
- IP67 rating
- Female connector and cables available – see 198546150 – 154
- NAMUR version has ATEX and IECEx certification
- Dimensions: Ball Valves 546 Pro and 543 Pro DN10-100, Butterfly Valve 565 DN50-300, Butterfly Valve 567/578 DN50-200 and DN350-600

Specifications:

Housing material: PBTGF20

Switching function: 2x normally open (NO)

Output type: PNP or NPN

Output polarity: DC

Output type: 3-wire

Operating voltage (U_B): 10... 30V DC

Reverse polarity protection: all connections

Voltage drop (U_d): $\leq 3V$

Operating current (I_L): 0... 150mA

Off-state current (I_r): 0... 0.5mA typ. 0.1 μA at 25°C

No-load supply current (I_0): $\leq 25mA$

Ambient temperature: -25...70°C (-13...158°F)

Connection (system side): 4-pin, M12 x 1 connector

Standards: EN 60947-5-2:2007, EN 60947-5-2/A1:2012 IEC 60947-5-2:2007, IEC 60947-5-2 AMD 1:2012

MTTF_d 948 a

Note:

*NAMUR sensor does not work with 565

For manually operated valves an additional switching ring (article number 199565900-199565003) is required. For electric or pneumatic operated valves, the switching ring is already pre-assembled.

LED Signal Colour	PNP Code	SP	Weight (kg)	NPN Code	*Namur (Atex) Code	L1 (mm)	L2 (mm)	L3 (mm)	M1
Closed: green / open: red	198 546 001	1	0.050	198 546 005	198 546 003	26	30	15	M12
Closed: red / open: green	198 546 002	1	0.050	198 546 006	198 546 004	26	30	15	M12

Specifications	PNP/NPN	NAMUR
Technology	Inductive	Inductive
Output circuit	PNP, NPN 2x NO contact	NAMUR 2x NC contact
Hysteresis	Typical 5%	Typical 10%
Switching frequency	<500 Hz	<1000 Hz
Switching status display	Output 1 / 2	Output 1 / 2
Art. Nr. 198546001 PNP	LED red / green	
Art. Nr. 198546002 PNP	LED green / red	
Art. Nr. 198546005 NPN	LED red / green	
Art. Nr. 198546006 NPN	LED green / red	
Art. Nr. 198546003 NAMUR		LED green / red
Art. Nr. 198546004 NAMUR		LED red / green
Supply voltage range +Vs	10...30V DC	8.2 V
Operating current	0...150 mA	
Voltage drop (U_d)	$\leq 3V$	
Off-state current (I_r)	0... 0.5mA typ. 0.1 μA bei 25°C	
No-load supply current (I_0)	≤ 25 mA	≥ 3 mA
MTTF _d	780 a	2122 a
Short-circuit proof		yes
Reverse polarity protected		yes
Protection class		IP67
Housing material		PBTGF20
Operating temperature		-25...70 °C (-13...158°F)
Connection		4-pin, M12x1
NAMUR version Approvals/certificates	Safety integrity level: SIL 2 IECEX TUR 20.0002X (Ga, Gb, Mb) TÜV 19 ATEX 8467 X(Ga, Gb)	

Data sheet

valid from: 4/3/25



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