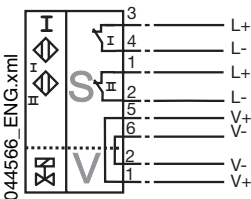


Switching element function	DC	Dual Break function
Rated operating distance $s_n$	3 mm	
Installation	embeddable	
Assured operating distance $s_a$	0 ... 2,43 mm	
Reduction factor $r_{AI}$	0,5	
Reduction factor $r_{V2A}$	1	
Reduction factor $r_{St37}$	1,2	
Nominal voltage $U_o$	8 V	
Operating voltage $U_B$	5 ... 25 V	
Switching frequency $f$	0 ... 100 Hz	
Hysteresis $H$	typ. 5 %	
Reverse polarity protection	all connections	
Short circuit protection	yes	
Current consumption		
Measuring plate not detected	$\geq 3$ mA	
Measuring plate detected	$\leq 1$ mA	
No-load supply current $I_0$	$\leq 3$ mA	
Indication of the switching state	LED, yellow	
Valve status indication	LED, yellow	
PTB certificate of conformity	pending	
EMC in accordance with	NE 21	
Standards	DIN EN 60947-5-6 (NAMUR)	
Ambient temperature	-25 ... 100 °C (248 ... 373 K)	
Storage temperature	-40 ... 100 °C (233 ... 373 K)	
Core cross-section (system side)	up to 2.5 mm <sup>2</sup>	
Core cross-section (valve side)	up to 2.5 mm <sup>2</sup>	
Housing material	PBT	
Sensing face	PBT	
Protection degree	IP20	
Note	Installation in housing	

**Connection\_type:**

N4



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## Data for Ex areas

Effective internal inductivity $C_i$	$\leq 100 \text{ nF}$
Effective internal inductance $L_i$	$\leq 100 \text{ }\mu\text{H}$