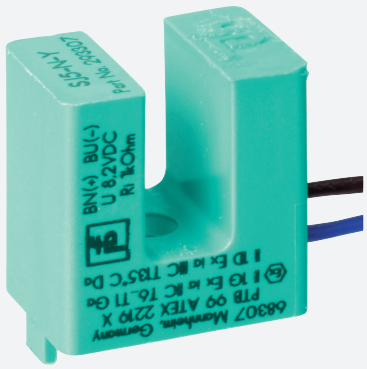
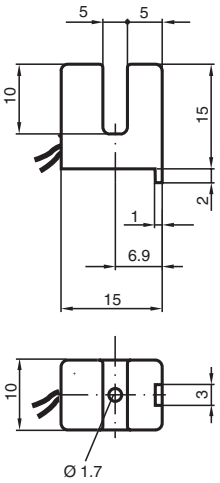


Inductive slot sensor

SJ5-N-Y293307

- 5 mm slot width

Dimensions



Technical Data

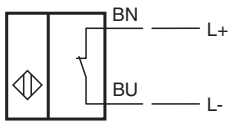
General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Slot width		5 mm
Depth of immersion (lateral)		5 ... 7 mm , typ. 6 mm
Output polarity		NAMUR
Output type		2-wire
Nominal ratings		
Nominal voltage	U_o	8.2 V (R_i approx. 1 kΩ)
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 2000 Hz
Hysteresis	H	0.05 ... 0.65 mm
Current consumption		
Measuring plate not detected		≥ 3 mA at nominal voltage
Measuring plate detected		≤ 1 mA at nominal voltage
Safety-relevant product characteristics		
$MTTF_d$		9060 a

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Technical Data

Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN IEC 60947-5-2
Approvals and certificates		
IECEx approval		
Equipment protection level Ga		IECEx PTB 11.0091X
Equipment protection level Gb		IECEx PTB 11.0091X
Equipment protection level Da		IECEx PTB 11.0091X
Equipment protection level Mb		IECEx PTB 11.0091X
ATEX approval		
Equipment protection level Ga		PTB 99 ATEX 2219 X
Equipment protection level Gb		PTB 99 ATEX 2219 X
Equipment protection level Da		PTB 99 ATEX 2219 X
UL approval		cULus Listed Load Type: Resistive Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 8.2 V DC
KCC approval		
Hazardous Location		13-AV4BO-0353X
Ambient conditions		
Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Mechanical specifications		
Connection type		flexible leads
Housing material		PBT
Degree of protection		IP67
Cable		
Material		PTFE
Core cross section		0.14 mm²
Length	L	500 mm
Dimensions		
Height		15 mm
Width		10 mm
Length		15 mm
General information		
Use in the hazardous area		see instruction manuals

Connection Assignment



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