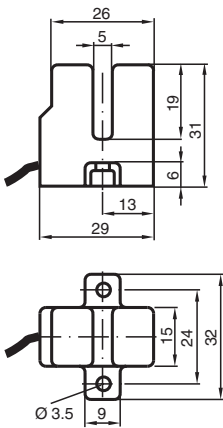


Inductive slot sensor SJ5-K-N

■ 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)	8 ... 10 mm , typ. 9 mm
Output type	2-wire

Nominal ratings

Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 2000 Hz
Hysteresis	H	0.05 ... 0.3 mm
Current consumption		
Measuring plate not detected		≥ 3 mA at nominal voltage
Measuring plate detected		≤ 1 mA at nominal voltage

Functional safety related parameters

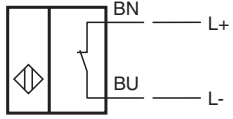
MTTF _d	4560 a
Mission Time (T _M)	20 a

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Technical Data

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		
Ordinary Location		cULus Listed, General Purpose E87056
Hazardous Location		E501628
Control drawing		116-0453
CCC approval		
Hazardous Location		2020322315002306
NEPSI approval		
NEPSI certificate		GYJ16.1391X
KCC approval		
Hazardous Location		13-AV4BO-0353X
Marine approval		DNVGL TAA00001A5
Ambient conditions		
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)	
Mechanical specifications		
Connection type	cable	
Housing material	PBT	
Degree of protection	IP67	
Cable		
Cable diameter	6 mm ± 0.2 mm	
Bending radius	> 10 x cable diameter	
Material	PVC	
Core cross section	0.75 mm ²	
Length	L	2 m
Dimensions		
Height	31 mm	
Width	32 mm	
Length	29 mm	
General information		
Use in the hazardous area	see instruction manuals	

Connection Assignment



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