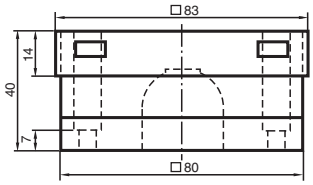
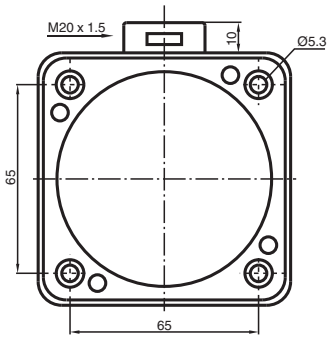
Inductive sensor

NJ40-FP-SN-B1-P1-Y024207

- 40 mm flush
- NAMUR output

Dimensions





Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR with safety function
Rated operating distance	s_n	40 mm
Installation		flush
Assured operating distance	s_a	0 ... 32.4 mm
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.3
Reduction factor r_{304}		0.85
Output type		2-wire
Nominal ratings		
Nominal voltage	U_o	8.2 V (R_i approx. 1 kΩ)
Switching frequency	f	0 ... 100 Hz
Current consumption		
Measuring plate not detected		min. 3 mA
Measuring plate detected		≤ 1 mA
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN IEC 60947-5-2

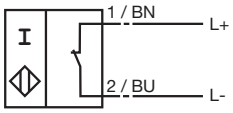
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Technical Data

Approvals and certificates		
IECEx approval		
Equipment protection level Gb		IECEx PTB 11.0092X
Equipment protection level Da		IECEx PTB 11.0092X
Equipment protection level Mb		IECEx PTB 11.0092X
ATEX approval		
Equipment protection level Gb		PTB 00 ATEX 2049 X
Equipment protection level Da		PTB 00 ATEX 2049 X
UL approval		cULus Listed Load Type: General Purpose Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 8.2 V DC
Ambient conditions		
Ambient temperature		-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications		
Connection type		screw terminals
Core cross section		up to 2.5 mm^2 , stripped insulation length: 7 mm
Connection (system side)		screw terminals , M20 x 1.5 cable gland , usable thread length 10 mm , screw-in depth max. 10 mm
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68
Dimensions		
Height		40 mm
Width		84 mm
Length		84 mm
General information		
Use in the hazardous area		see instruction manuals

Connection

SN



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