

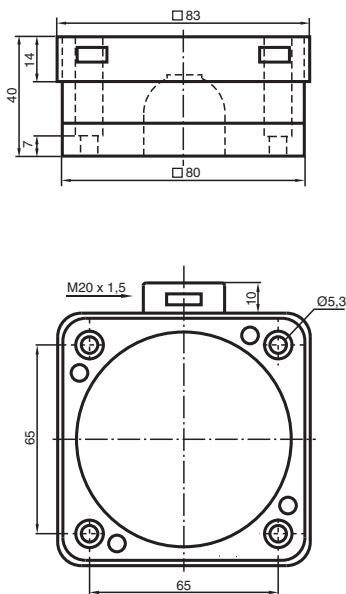
Inductive sensor

NJ40-FP-SN-B1-P1-Y024207

■ 40 mm flush



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 k Ω)
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

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
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
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
General information		
Use in the hazardous area		see instruction manuals

Connection

SN

