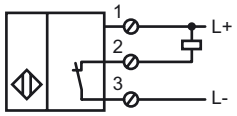
Model Number

NJ40+U1+E1

Features

- **40 mm not embeddable**

Connection



Accessories

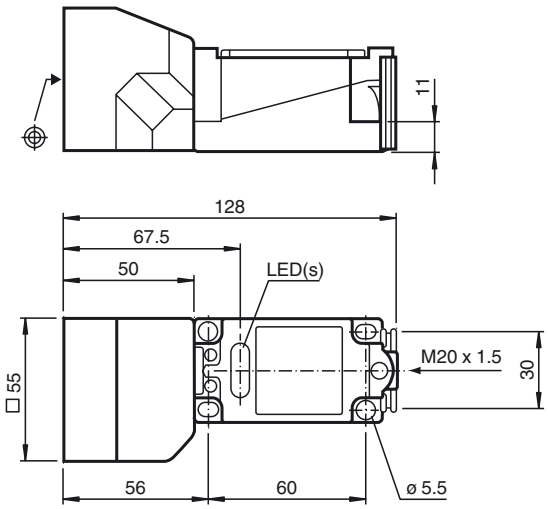
V1-G
Field attachable female cordset

V1-W
Field attachable female cordset

V1-M20-80
Receptacles, M12/M20; plastic version

MHW 01
Modular mounting bracket

Dimensions



Technical Data

General specifications		
Switching element function		NPN NC
Rated operating distance	s_n	40 mm
Installation		not embeddable
Output polarity		switched low
Assured operating distance	s_a	0 ... 32.4 mm
Reduction factor r_{Al}		0.5
Reduction factor r_{Cu}		0.45
Reduction factor r_{V2A}		0.8
Nominal ratings		
Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 100 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.8 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.01 mA
No-load supply current	I_0	≤ 10 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		screw terminals
Core cross-section		up to 2.5 mm^2
Housing material		PBT
Sensing face		PBT
Protection degree		IP68
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)

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