

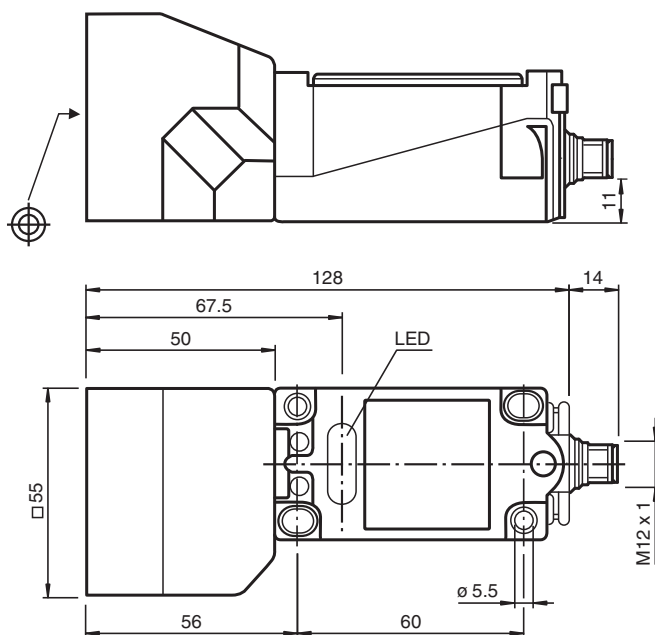


Inductive sensor NJ40+U1+E2-T-V1

- 40 mm non-flush
- Extended temperature range



Dimensions



Technical Data

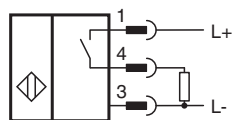
General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	40 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	0 ... 32.4 mm
Reduction factor r_{AI}		0.4
Reduction factor r_{Cu}		0.3

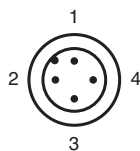
Technical Data

Reduction factor r_{304}	0.85
Nominal ratings	
Operating voltage	U_B 10 ... 60 V
Switching frequency	f 0 ... 300 Hz
Hysteresis	H typ. 3 %
Reverse polarity protection	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	U_d ≤ 3 V
Operating current	I_L 0 ... 200 mA
No-load supply current	I_0 ≤ 20 mA
Time delay before availability	t_v ≤ 20 ms
Operating voltage indicator	LED, green
Switching state indicator	LED, yellow
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
Ambient conditions	
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
Mechanical specifications	
Connection type	4-pin, M12 x 1 connector
Housing material	PBT
Sensing face	PBT
Degree of protection	IP68
Mass	130 g

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Accessories

	MHW 01	Modular mounting bracket
	MH 04-2681F	Mounting aid for VariKont, +U1+ and +U9*

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