

Proximity switch, inductive, 1N/O, Sn=5mm, 3L, 10-30VDC, PNP, M12, metal, line 2m

Powering Business Worldwide

Part no.	**E57-12GE05-G**
Article no.	**135869**
Catalog No.	**E57-12GE05-G**

Delivery programme

Basic function			Inductive Sensors
Product range			E57 Global Series
Connection			3-wire
Design (outer dimensions)		mm	M12 x 1
Rated operational voltage	U_e		10 - 30 V DC
Rated switching distance	S_n	mm	5
Type of mounting			Flush
Switching type			PNP
For connection of:			2 m connection cable
Contacts			
N/O = Normally open			1 N/O
Material			Metal
Degree of Protection			IP67, IP69K

Technical data

General

Standards			IEC/EN 60947-5-2
Ambient temperature			0 - +60
Mechanical shock resistance		g	30 Shock duration 11 ms
Degree of Protection			IP67, IP69K

Characteristics

Rated switching distance			
Rated switching distance	S_n	mm	5
Repetition accuracy of S_n		%	1
Temperature drift of S_n		%	10
Switching hysteresis of S_n		%	15
Rated operational voltage	U_e		10 - 30 V DC
Residual ripple of U_e		%	10
Maximum load current	I_e	mA	< 100
Operating current in the switched state at 24 V DC	I_b	mA	10
Voltage drop at I_e	U_d	V	1.5
Switching Frequency		Hz	2000
Residual current through the load in the blocked state at 230 V AC and 24 V DC	I_r	mA	0.01
Switching state display		LED	Red
Protective functions			Short-circuit protective device Protection against polarity reversal Protection against wire breakage
Connection			3-wire
Contacts			
N/O = Normally open			1 N/O
Style			
Design (outer dimensions)		mm	M12 x 1
For connection of:			2 m connection cable
Material			Metal

Design verification as per IEC/EN 61439

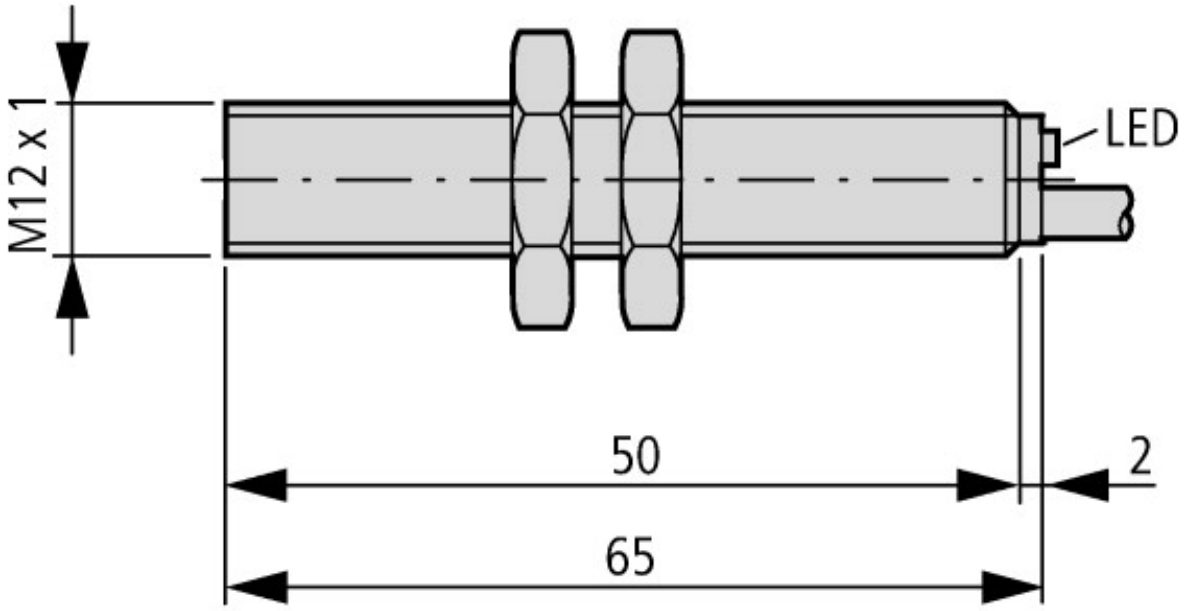
Technical data for design verification			
Operating ambient temperature min.		°C	0

Operating ambient temperature max.		°C	60

Approvals

Product Standards			UL 508; CSA-C22.2 No. 14; IEC60947-5-2; CE marking
UL File No.			CSA report applies to both Canada and US
UL Category Control No.			–
CSA File No.			224447
CSA Class No.			4652-04 / 4652-84
North America Certification			CSA certified, certified by CSA for use in the US
Max. Voltage Rating			30 V DC
Degree of Protection			IEC: IP67, IP69K; UL/CSA Type: -

Dimensions



Additional product information (links)

IL05301002Z Global Series Inductive Sensors	
IL05301002Z Global Series Inductive Sensors	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301002Z2012_08.pdf

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