

**Part no.** E57SBL12T110ED  
**Article no.** 136147  
**Catalog No.** E57SBL12T110ED

## Delivery program

Basic function			Inductive Sensors
Product range			E57 Premium+ Short-Series
Connection			3-wire
Design (outer dimensions)		mm	M12 x 1
Rated operational voltage	U <sub>e</sub>		6 - 48 V DC
Rated switching distance	S <sub>n</sub>	mm	4
Type of mounting			Non-flush
Switching type			NPN
For connection of:			Plug-in connection M12 x 1
<b>Contacts</b>			
N/C = Normally closed			1 NC
Material			Stainless steel
Degree of Protection			IP67

## Technical data

### General

Standards			IEC/EN 60947-5-2
Ambient temperature			-25 - +70
Mechanical shock resistance		g	30 Shock duration 11 ms
Degree of Protection			IP67

### Characteristics

Rated switching distance			
Rated switching distance	S <sub>n</sub>	mm	4
Repetition accuracy of S <sub>n</sub>		%	3
Temperature drift of S <sub>n</sub>		%	10
Switching hysteresis of S <sub>n</sub>		%	15
Rated operational voltage	U <sub>e</sub>		6 - 48 V DC
Maximum load current	I <sub>e</sub>	mA	< 500 (6 - 32 V DC) / 250 (32 - 48 V DC)
Voltage drop at I <sub>e</sub>	U <sub>d</sub>	V	12
Switching Frequency		Hz	800
Min. load current	I <sub>e</sub>	mA	5
Residual current through the load in the blocked state at 230 V AC and 24 V DC	I <sub>r</sub>	mA	2
Switching state display		LED	Red
Connection			3-wire
<b>Contacts</b>			
N/C = Normally closed			1 NC
<b>Style</b>			
Design (outer dimensions)		mm	M12 x 1
For connection of:			Plug-in connection M12 x 1
Material			Stainless steel

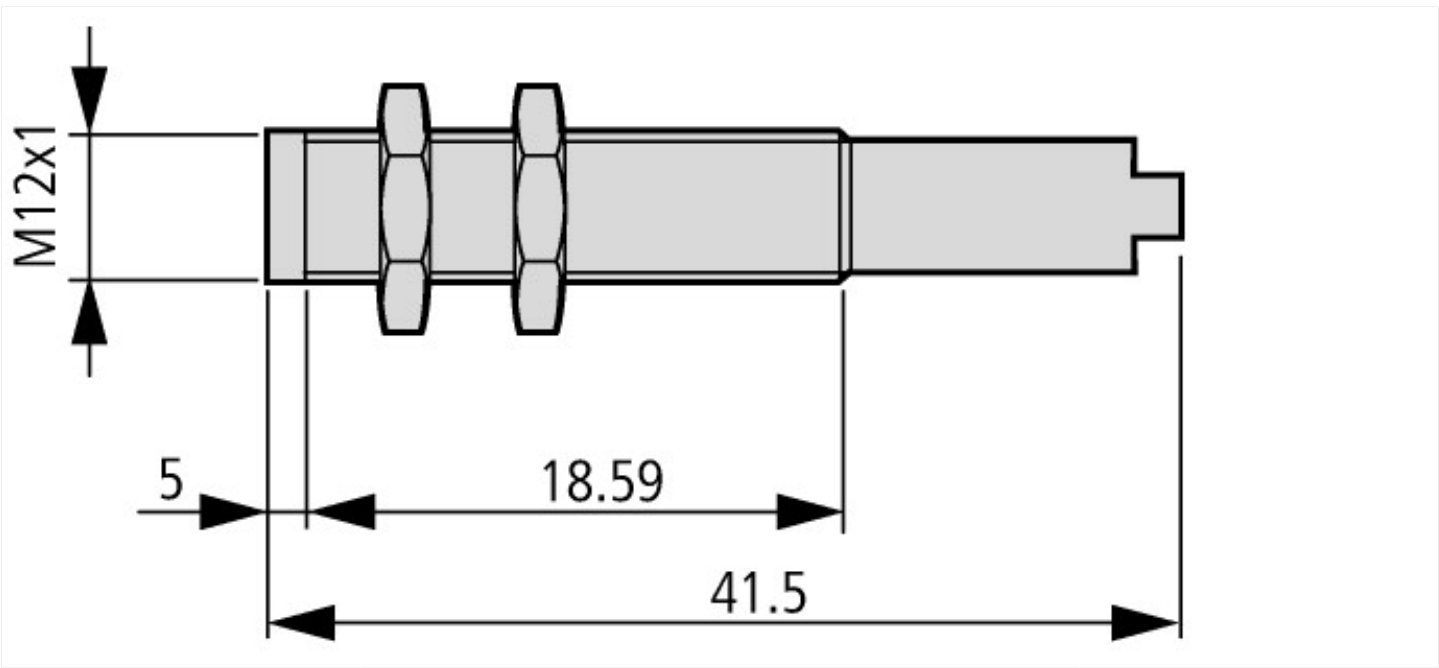
## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70

Approvals

Product Standards		UL 508; CSA-C22.2 No. 14; IEC60947-5-2; CE marking
UL File No.		E166051
UL Category Control No.		NRKH, NRKH7
CSA File No.		50513
CSA Class No.		3211-03
North America Certification		UL listed, CSA certified
Max. Voltage Rating		250 V AC, 250 V DC
Degree of Protection		IEC: IP67; UL/CSA Type: 4, 4x, 6, 6P, 12, 13

Dimensions



Additional product information (links)

IL05301003Z Premium Plus Series Inductive Sensors +Short, +Miniature	
IL05301003Z Premium Plus Series Inductive Sensors +Short, +Miniature	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301003Z2016_07.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301003Z2016_07.pdf</a>