

Proximity switch, inductive, 1N/O/1N/C, Sn=40mm, 2L, 35-250VAC, quad.40, insulated material, screw connection

Powering Business Worldwide

Part no.	**E55BLT1F**
Article no.	**135815**
Catalog No.	**E55BLT1F**

Delivery programme

Basic function			Inductive Sensors
Product range			E55 Limit Switch Style Series
Connection			2-wire
Design (outer dimensions)		mm	50 x 50 x 128
Rated operational voltage	U_e		35 - 250 V AC
Rated switching distance	S_n	mm	40
Type of mounting			Non-flush
For connection of:			Screw terminal
Contacts			
P = Normally closed/Normally open contact, programmable			1 P
Material			Insulated material
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_n	mm	40
Repetition accuracy of S_n		%	10
Temperature drift of S_n		%	10
Switching hysteresis of S_n		%	20
Rated operational voltage	U_e		35 - 250 V AC
Supply frequency			50 - 60
Residual ripple of U_e		%	10
Maximum load current	I_e	mA	< 400
Operating current in the switched state at 24 V DC	I_b	mA	3
Voltage drop at I_e	U_d	V	8
Switching Frequency		Hz	25
Residual current through the load in the blocked state at 230 V AC and 24 V DC	I_r	mA	1.8
Switching state display		LED	Red
Operating voltage display		LED	Green
Protective functions			Short-circuit protective device Protection against polarity reversal Protection against wire breakage
Connection			2-wire
Style			
Design (outer dimensions)		mm	50 x 50 x 128

For connection of:			Screw terminal
Material			Insulated material

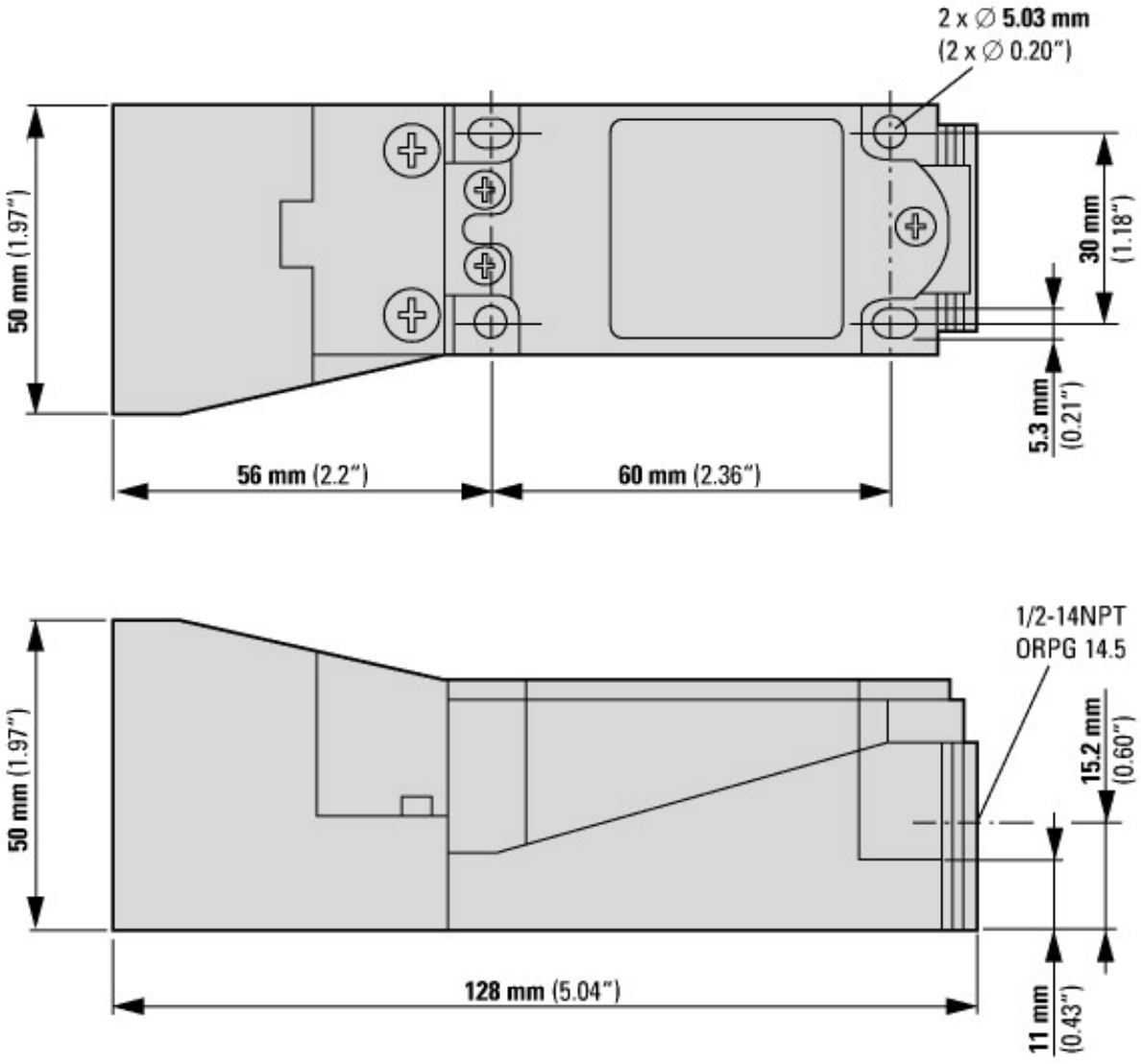
Design verification as per IEC/EN 61439

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

Approvals

Product Standards			CE marking
Max. Voltage Rating			250 V AC
Degree of Protection			IEC: IP67; UL/CSA: NEMA 4, 4X, 6, 12, 13

Dimensions



Additional product information (links)

IL05301005Z E55 Series Rectangular Inductive Sensors

IL05301005Z E55 Series Rectangular Inductive Sensors	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301006Z2012_08.pdf

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