



Proximity switch, inductive, 1N/O, Sn=10mm, 3L, 10-30VDC, NPN, M30, insulated material, line 2m

Part no. E55CAL30T110
Catalog No. 135830
Alternate Catalog No. E55CAL30T110

Delivery program

Basic function			Inductive Sensors
Product range			E55 Limit Switch Style Series
Connection			3-wire
Design (outer dimensions)		mm	M30 x 1.5
Rated operational voltage	U_e		10 - 30 V DC
Rated switching distance	S_n	mm	10
Type of mounting			Flush
Switching type			NPN
For connection of:			2 m connection cable
Contacts			
N/O = Normally open			1 N/O
Material			Insulated material
Degree of Protection			IP66

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			IP66

Characteristics

Rated switching distance			
Rated switching distance	S_n	mm	10
Repetition accuracy of S_n		%	10
Temperature drift of S_n		%	10
Switching hysteresis of S_n		%	20
Rated operational voltage	U_e		10 - 30 V DC
Supply frequency			50 - 60
Residual ripple of U_e		%	10
Maximum load current	I_e	mA	< 200
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	300
Switching state display		LED	Red
Protective functions			Short-circuit protective device Protection against polarity reversal
Connection			3-wire
Contacts			
N/O = Normally open			1 N/O
Style			
Design (outer dimensions)		mm	M30 x 1.5
For connection of:			2 m connection cable
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

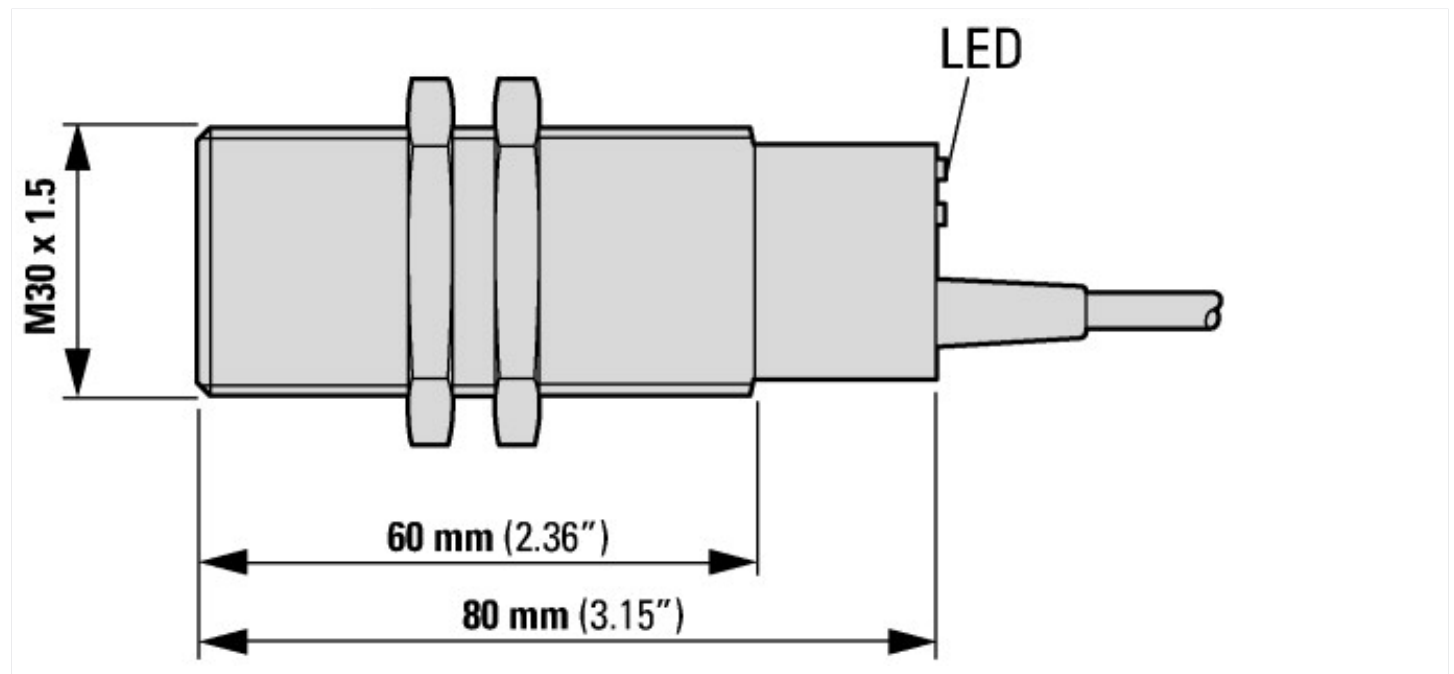
Technical data ETIM 7.0

Sensors (EG000026) / Inductive proximity switch (EC002714)			
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Proximity switch / Inductive proximity switch (ecI@ss10.0.1-27-27-01-01 [AGZ376015])			
Width sensor		mm	0
Height of sensor		mm	0
Length of sensor		mm	80
Diameter sensor		mm	30
Mechanical mounting condition for sensor			Concise
Switching distance		mm	10
Suitable for safety functions			No
Type of switch function			Normally open contact
Type of switching output			NPN
Type of electric connection			Cable
Number of semiconductor outputs with signalling function			1
Number of contact energized outputs with signalling function			0
Number of protected semiconductor outputs			0
Number of protected contact energized outputs			0
Type of actuation			Metallic Target
Type of interface			None
Type of interface for safety communication			None
Construction type housing			Cylinder, screw-thread
Coating housing			Other
Cascadable			No
Category according to EN 954-1			B
SIL according to IEC 61508			None
Performance level acc. EN ISO 13849-1			None
Max. output current at protected output		mA	0
Supply voltage		V	10 - 30
Rated control supply voltage Us at AC 50HZ		V	0 - 0
Rated control supply voltage Us at AC 60HZ		V	0 - 0
Rated control supply voltage Us at DC		V	10 - 30
Voltage type			DC
Switching frequency		Hz	300
With monitoring function downstream switching devices			No
Material housing			Plastic
Compression-resistant			No
Explosion safety category for gas			None
Explosion safety category for dust			None
Interference resistance to magnetic fields			

Approvals

Product Standards			CE marking
Max. Voltage Rating			30 V DC
Degree of Protection			IEC: IP66; UL/CSA: NEMA 4, 4X, 13

Dimensions



Assets (links)

[Declaration of CE Conformity](#)

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[Instruction Leaflets](#)

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Additional product information (links)

IL05301005Z E55 Series Barrel-Style Inductive Sensors

IL05301005Z E55 Series Barrel-Style Inductive Sensors	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301005Z2018_05.pdf
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