DATASHEET - E55CAL18T111E



Proximity switch, inductive, 1N/O, Sn=8mm, 3L, 10-30VDC, PNP, M18, insulated material, line 2m



Part no. E55CAL18T111E Catalog No. 135827 Alternate Catalog E55CAL18T111E No.

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Basic function			Inductive Sensors
Product range			E55 Limit Switch Style Series
Connection			3-wire
Design (outer dimensions)		mm	M18 x 1
Rated operational voltage	U _e		10 - 30 V DC
Rated switching distance	S_n	mm	8
Type of mounting			Non-flush
Switching type			PNP
For connection of:			2 m connection cable
Contacts			
N/O = Normally open			1 N/0
Material			Insulated material
Degree of Protection			IP66

Technical data

G	е	n	е	r	a	

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	8
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	l _e	mA	< 200
Operating current in the switched state at 24 V DC	I _b	mA	3
Voltage drop at $I_{\rm e}$	U_{d}	V	8
Switching Frequency		Hz	500
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/0
Style			
Design (outer dimensions)		mm	M18 x 1
For connection of:			2 m connection cable
Material			Insulated material

Design verification as per IEC/EN 61439

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

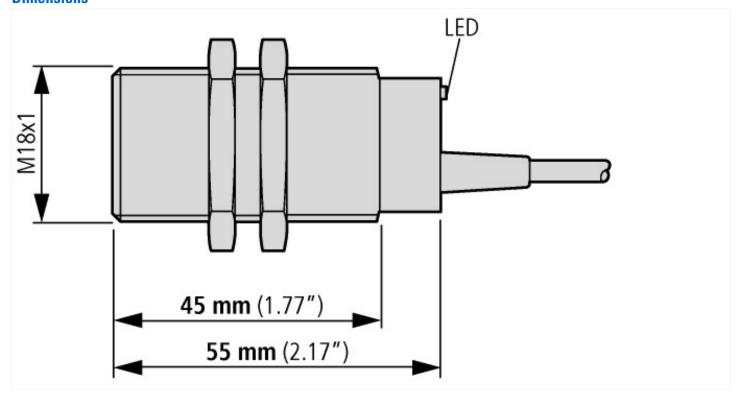
Technical data ETIM 7.0

Toomitour data ETTM 7.0			
Sensors (EG000026) / Inductive proximity switch (EC002714)			
Electric engineering, automation, process control engineering / Binary sensor teclecl@ss10.0.1-27-27-01-01 [AGZ376015])	hnology, safety-relat	ted se	ensor technology / Proximity switch / Inductive proximity switch
Width sensor	mm	n	0
Height of sensor	mm	n	0
Length of sensor	mm	n	55
Diameter sensor	mm	n	18
Mechanical mounting condition for sensor			Not flat
Switching distance	mm	n	8
Suitable for safety functions			No
Type of switch function			Normally open contact
Type of switching output			PNP
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			В
SIL according to IEC 61508			None
Performance level acc. EN ISO 13849-1			None
Max. output current at protected output	mA	4	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		500
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

00003158

Instruction Leaflets

IL05301005Z2018_05

Additional product information (links)

IL05301005Z E55 Series Barrel-Style Inductive Sensors

Sensors

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