DATASHEET - E57EAL5T111SP

Proximity switch, E57 Miniatur Series, 1 N/O, 3-wire, 10 - 30 V DC, M5 x 1 mm, Sn= 0.8 mm, Flush, PNP, Stainless steel, 2 m connection cable

Powering Business Worldwide™

Part no.	**E57EAL5T111SP**
Catalog No.	**136241**
Alternate Catalog No.	**E57EAL5T111SP**
EL-Nummer (Norway)	**4315392**

Delivery program

Basic function			Inductive Sensors
Product range			E57 Miniatur Series
Connection			3-wire
Design (outer dimensions)		mm	M5 x 1
Rated operational voltage	U_e		10 - 30 V DC
Rated switching distance	S_n	mm	0.8
Type of mounting			Flush
Switching type			PNP
For connection of:			2 m connection cable
Contacts			
N/O = Normally open			1 N/O
Material			Stainless steel
Degree of Protection			IP67

Technical data

General

Standards			IEC/EN 60947-5
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	0.8
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
Maximum load current	I_e	mA	< 200
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
Connection			3-wire
Contacts			
N/O = Normally open			1 N/O
Style			
Design (outer dimensions)		mm	M5 x 1
For connection of:			2 m connection cable
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

Technical data ETIM 7.0

Sensors (EG000026) / Inductive proximity switch (EC002714)

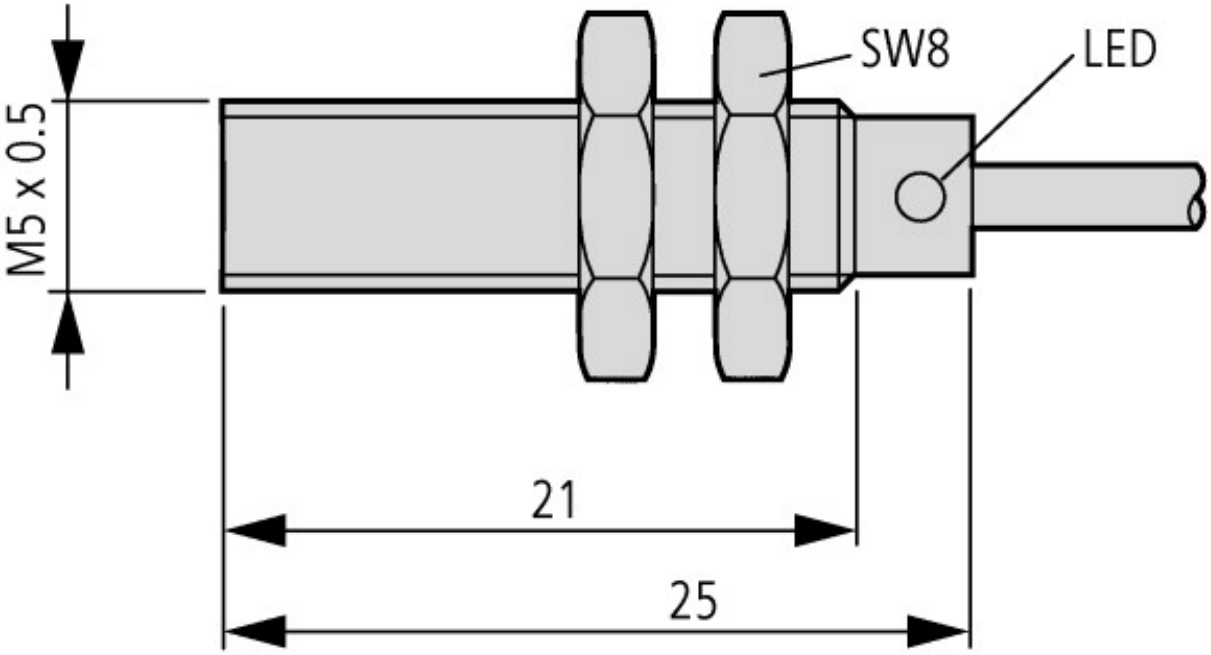
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Proximity switch / Inductive proximity switch (ecl@ss10.0.1-27-27-01-01 [AGZ376015])

Width sensor	mm	0
Height of sensor	mm	0
Length of sensor	mm	25
Diameter sensor	mm	5
Mechanical mounting condition for sensor		Concise
Switching distance	mm	0.8
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		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	2000
With monitoring function downstream switching devices		No
Material housing		Metal
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: IP67; UL/CSA Type: -

Dimensions



Assets (links)

Declaration of CE Conformity

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