



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

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

