DATASHEET - E57EBL8T111ED

Proximity switch, E57 Miniatur Series, 1 NC, 3-wire, 10 - 30 V DC, M8 x 1 mm, Sn= 2 mm, Non-flush, PNP, Stainless steel, Plug-in connection M12 x 1

Powering Business Worldwide™

Part no.	**E57EBL8T111ED**
Catalog No.	**136258**
Alternate Catalog No.	**E57EBL8T111ED**

Delivery program

Basic function			Inductive Sensors
Product range			E57 Miniatur Series
Connection			3-wire
Design (outer dimensions)		mm	M8 x 1
Rated operational voltage	U_e		10 - 30 V DC
Rated switching distance	S_n	mm	2
Type of mounting			Non-flush
Switching type			PNP
For connection of:			Plug-in connection M12 x 1
Contacts			
N/C = Normally closed			1 NC
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	2
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/C = Normally closed			1 NC
Style			
Design (outer dimensions)		mm	M8 x 1
For connection of:			Plug-in connection M12 x 1
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	70
Diameter sensor	mm	8
Mechanical mounting condition for sensor		Not flat
Switching distance	mm	2
Suitable for safety functions		No
Type of switch function		Breaker contact
Type of switching output		PNP
Type of electric connection		Connector M12
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: -

Assets (links)

Declaration of CE Conformity

00003158