



Proximity switch, inductive, 1N/O,  $S_n=2\text{mm}$ , 3L, 10-30VDC, PNP, M8mm, M12

**Part no.** E57EAL8T111ED  
**Article no.** 136250  
**Catalog No.** E57EAL8T111ED

## 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
<b>Contacts</b>			
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	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/O = Normally open			1 N/O
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

Approvals

Product Standards			CE marking
Max. Voltage Rating			30 V DC
Degree of Protection			IEC: IP67; UL/CSA Type: -