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Worldwide English



E57EAL6T111SP - Proximity switch, E57 Miniatur Series, 1 N/O, 3-wire, 10 - 30 V DC, 6,5 mm, Sn= 1 mm, Flush, PNP, Stainless steel, 2 m connection cable



136245 E57EAL6T111SP

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136245 E57EAL6T111SP

Proximity switch, E57 Miniatur Series, 1 N/O, 3-wire, 10 - 30 V DC, 6,5 mm, Sn= 1 mm, Flush, PNP, Stainless steel, 2 m connection cable

Alternate Catalog No.

E57EAL6T111SP

EL-Nummer (Norway)

4315394

Proximity switch, Inductive Sensors, Product range: E57 Miniatur Series, Connection: 3-wire, Design (outer dimensions): 6,5 mm, Rated operational voltage: U_e = 10 - 30 V DC, Rated switching distance: S_n = 1 mm, Type of mounting: Flush, Switching type: PNP, 2 m connection cable, Contacts N/O = Normally open: 1 N/O, Material: Stainless steel, Degree of Protection: IP67, Standards: IEC/EN 60947-5

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Delivery program

Basic function

Inductive Sensors

Product range

E57 Miniatur Series

Connection

3-wire

Design (outer dimensions)

□ 6,5 mm

Rated operational voltage [U_e]

10 - 30 V DC

Rated switching distance [S_n]

1 mm

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
 30
 Shock duration 11 ms g
 Degree of Protection
 IP67
 Characteristics
 Rated switching distance Rated switching distance [S_n]
 1 mm
 Repetition accuracy of S_n
 1 %
 Temperature drift of S_n
 10 %
 Switching hysteresis of S_n
 15 %
 Rated operational voltage [U_b]
 10 - 30 V DC
 Maximum load current [I_b]
 < 200 mA
 Operating current in the switched state at 24 V DC [I_b]
 10 mA
 Voltage drop at I_b [U_b]
 1.5 V
 Switching Frequency
 2000 Hz
 Residual current through the load in the blocked state at 230 V AC and 24 V DC [I_r]
 0.01 mA
 Switching state display
 Red LED
 Protective functions
 Short-circuit protective device
 Connection
 3-wire
 Contacts N/O = Normally open
 1 N/O
 Style Design (outer dimensions)
 □ 6,5 mm
 For connection of:
 2 m connection cable
 Material
 Stainless steel

Design verification as per IEC/EN 61439

Operating ambient temperature min.
 -25 °C
 Operating ambient temperature max.
 +70 °C

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
 0 mm
 Height of sensor
 0 mm
 Length of sensor
 45 mm
 Diameter sensor
 6 mm
 Mechanical mounting condition for sensor
 Concise
 Switching distance
 1 mm
 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 plain
 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
 0 mA
 Supply voltage
 10 - 30 V
 Rated control supply voltage U_s at AC 50Hz
 0 - 0 V
 Rated control supply voltage U_s at AC 60Hz
 0 - 0 V
 Rated control supply voltage U_s at DC
 10 - 30 V
 Voltage type
 DC
 Switching frequency
 2000 Hz
 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



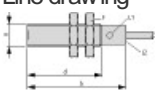
Product photo

- 
[1360PIC-205](#)
Photo
Inductive sensor

3D drawing

- 
[1360DRAW-90](#)
Line drawing

Dimensions single product

- 
[1360DIM-177](#)
Line drawing
- 
[1360DIM-178](#)
Line drawing
- 
[1360DIM-181](#)
Line drawing

Declaration of Conformity

EU

- [Inductive Proximity Sensors Tubular \(DA-DC-00003286\)](#)
Asset
(PDF)

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