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Worldwide English



E57EAL4T111SP - Proximity switch, E57 Miniatur Series, 1 N/O, 3-wire, 10 - 30 V DC, 4 mm, Sn= 0.8 mm, Flush, PNP, Stainless steel, 2 m connection cable



136239 E57EAL4T111SP

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136239 E57EAL4T111SP

Proximity switch, E57 Miniatur Series, 1 N/O, 3-wire, 10 - 30 V DC, 4 mm, Sn= 0.8 mm, Flush, PNP, Stainless steel, 2 m connection cable

Alternate Catalog No.

E57EAL4T111SP

EL-Nummer (Norway)

4315391

Proximity switch, Inductive Sensors, Product range: E57 Miniatur Series, Connection: 3-wire, Design (outer dimensions): 4 mm, Rated operational voltage: U_e = 10 - 30 V DC, Rated switching distance: S_n = 0.8 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)

□ 4 mm

Rated operational voltage [U_e]

10 - 30 V DC

Rated switching distance [S_n]

0.8 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]
 0.8 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_d]
 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 NO
 Style Design (outer dimensions)
 □ 4 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
 25 mm
 Diameter sensor
 4 mm
 Mechanical mounting condition for sensor
 Concise
 Switching distance
 0.8 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



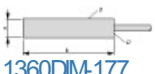
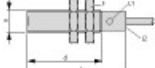
Product photo

- 
[1360PIC-180](#)
Photo

3D drawing

- 
[1360DRV-89](#)
Line drawing

Dimensions single product

- 
[1360DIM-177](#)
Line drawing
- 
[1360DIM-178](#)
Line drawing
- 
[1360DIM-179](#)
Line drawing

Declaration of Conformity

EU

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