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E53KBL34T111SD - Proximity switch, capacitive, Sn=25mm, 1 NC, 3L, PNP, M34, insulated material, M12

134824 E53KBL34T111SD

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134824 E53KBL34T111SD

Proximity switch, capacitive, Sn=25mm, 1 NC, 3L, PNP, M34, insulated material, M12

Alternate Catalog No.

E53KBL34T111SD

EL-Nummer (Norway)

0004315333

Proximity switch, Product range: E53 Capacitive Series, Capacitive sensors, Connection: 3-wire, Rated switching distance: Sn= 25 mm, Design (outer dimensions): 34 mm, Rated operational voltage: Ue= 10 - 30 V DC, Type of mounting: Flush, Switching type: PNP, For connection of: Plug-in connection M12 x 1, Contacts NC = Normally closed: 1 NC, Material: Insulated material, Degree of Protection: IP65

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Delivery program

- Basic function
- Capacitive sensors
- Product range
- E53 Capacitive Series
- Connection
- 3-wire
- Design (outer dimensions)
- 34 □ mm
- Rated operational voltage [Ue]
- 10 - 30 V DC
- Rated switching distance [Sn]
- 25 mm
- Type of mounting
- Flush
- Switching type
- PNP
- For connection of:
- Plug-in connection M12 x 1
- Contacts
- NC = Normally closed
- 1 NC
- Material
- Insulated material
- Degree of Protection
- IP65

Technical data

- General
- Standards
- IEC/EN 60947-5-2-EMC
- Ambient temperature
- 25 - +70

Mechanical shock resistance
30
Shock duration 11 ms g
Degree of Protection
IP65
Characteristics
Rated switching distance Rated switching distance [S_n]
25 nm
Repetition accuracy of S_n
10 %
Temperature drift of S_n
10 %
Switching hysteresis of S_n
20 %
Rated operational voltage [U_e]
10 - 30 V DC
Residual ripple of U_e
10 %
Maximum load current [I_e]
< 300 mA
Operating current in the switched state at 24 V DC [I_b]
10 mA
Voltage drop at I_e [U_d]
2 V
Residual current through the load in the blocked state at 230 V AC and 24 V DC [I_r]
0.1 mA
Switching state display
Red LED
Protective functions
Short-circuit protective device
Protection against polarity reversal
Protection against wire breakage
Connection
3-wire
Contacts N/C = Normally closed
1 NC
Style/Design (outer dimensions)
34 □ mm
For connection of:
Plug-in connection M12 x 1
Material
Insulated material

Design verification as per IEC/EN 61439

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

Technical data ETIM 7.0

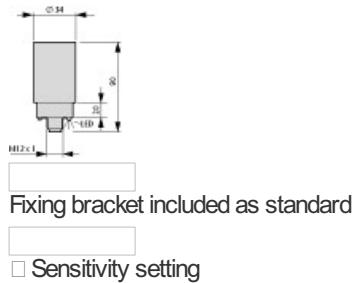
Sensors (EG000026) / Capacitive proximity switch (EC002715)
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Proximity switch / Capacitive proximity switch (ecl@ss10.0.1-27-27-01-02 [AGZ377015])
Width sensor
0 mm
Height of sensor
0 mm
Length of sensor
80 mm
Diameter sensor
34 mm
Mechanical mounting condition for sensor
Concise
Switching distance
25 nm
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
Other
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 Us at AC 50Hz
0 - 0 V
Rated control supply voltage Us at AC 60Hz
0 - 0 V
Rated control supply voltage Us at DC
10 - 30 V
Voltage type
DC
Switching frequency
250 Hz
With monitoring function downstream switching devices
No
With status indication
Yes
Material housing
Plastic
Compression-resistant
No
Explosion safety category for gas
None
Explosion safety category for dust
None

Approvals

Product Standards
CE marking
Max. Voltage Rating
250 V AC, 30 V DC
Degree of Protection
IEC: IP65; UL/CSA: NEMA 4, 12, 13

Dimensions



Product photo



3D drawing



Dimensions single product



Instruction Leaflet

- Capacitive sensors: E53 Series (IL05307002Z)
Asset
(PDF, multilingual)

Declaration of Conformity

EU

- Capacitive Proximity Sensors (E53) (DA-DC-00003141)
Asset
(PDF)

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