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E53KBL30T111ED - Proximity switch, capacitive, Sn=25mm, 1 NC, 3L, PNP, M30, insulated material, M12



134813 E53KBL30T111ED
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Delivery program

Basic function
Capacitive sensors
Product range
E53 Capacitive Series
Connection
3-wire
Design (outer dimensions)
M30 x 1.5 mm
Rated operational voltage [U_e]
10 - 30 V DC
Rated switching distance [S_n]
25 mm
Type of mounting
Non-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 distanceRated switching distance [S_n]
25 mm
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

134813 E53KBL30T111ED

Proximity switch, capacitive, Sn=25mm, 1 NC, 3L, PNP, M30, insulated material, M12
Alternate Catalog No. E53KBL30T111ED
EL-Nummer (Norway) 0004315330

Proximity switch, Product range: E53 Capacitive Series, Capacitive sensors, Connection: 3-wire, Rated switching distance: Sn= 25 mm, Design (outer dimensions): M30 x 1.5 mm, Rated operational voltage: U_e = 10 - 30 V DC, Type of mounting: Non-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

Residual ripple of U_b
10 %
Maximum load current [I_b]
< 300 mA
Switching Frequency
250 Hz
Switching state display
Red LED
Connection
3-wire
Contacts NC = Normally closed
1 NC
Style Design (outer dimensions)
M30 x 1.5 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

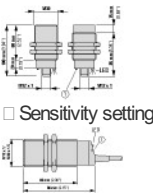
Sensors (EG000026) / Capacitive proximity switch (EC002715)
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Proximity switch /
Capacitive proximity switch (ecl@ss10.0.1-27-27-01-02 [AGZ377015])
Width sensor
0 mm
Height of sensor
0 mm
Length of sensor
80 mm
Diameter sensor
30 mm
Mechanical mounting condition for sensor
Not flat
Switching distance
25 mm
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, 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
0 mA
Supply voltage
10 - 30 V
Rated control supply voltage U_s at AC 50 HZ
0 - 0 V
Rated control supply voltage U_s at AC 60 HZ
0 - 0 V
Rated control supply voltage U_s 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

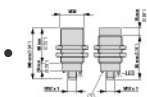


Product photo

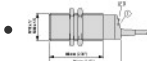


Photo
Product photo
Photo

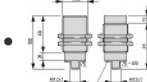
Dimensions single product



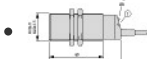
1360DIM-333
Dimensions single product
Line drawing
□ Sensitivity setting



1360DIM-334
Dimensions single product
Line drawing



1360DIM-4
Dimensions single product
Line drawing



1360DIM-5
Dimensions single product
Line drawing

Instruction Leaflet

- [Capacitive sensors: E53 Series \(IL05307002Z\)](#)
Instruction Leaflet
(PDF, International)

Declaration of Conformity

- [DA-DC-00003141](#)
Declaration of Conformity

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