



134823
E53KBL34T111ED

Overview

Specifications

Resources



Delivery program

DELIVERY PROGRAM

Technical data

Design verification as per
IEC/EN 61439

Technical data ETIM 7.0

Approvals

Dimensions

Basic function
Capacitive sensors

Product range
E53 Capacitive Series

Connection
3-wire

Design (outer dimensions)
34 □ mm

Rated operational voltage [U_a]
10 - 30 V DC

Rated switching distance [S_n]
35 nm

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 distance
Rated switching distance [S_n]
35 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

Residual ripple of U_e
10 %

Maximum load current [I_e]
< 300 mA

Switching state display
Red LED

Connection
3-wire

Contacts
NC = 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 (EO002715)

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
Not flat

Switching distance
35 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 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

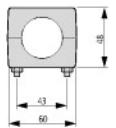
APPROVALS

Product Standards
CE marking

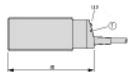
Max. Voltage Rating
250 V AC, 30 V DC

Degree of Protection
IEC: IP65; UL/CSA: NEMA 4, 12, 13

DIMENSIONS



Fixing bracket included as standard



Sensitivity setting

