



135810
E52Q-DL35UAD01

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DELIVERY PROGRAM

Basic function
Inductive Sensors

Product range
E52 Cube Series

Description
Housing adapter

Connection
4-wire

Design (outer dimensions)
40 x 40 x 40 mm

Rated operational voltage [U_N]
10 – 48 V DC

Rated switching distance [S_n]
35 mm

Type of mounting
Non-flush

Switching type
NPN
PNP

For connection of:
Plug-in connection M12 x 1

[Contacts](#)

N/C = Normally closed
1 NC

N/O = Normally open
1 NO

Material
Zinc/Insulated material

Degree of Protection
IP67

TECHNICAL DATA

General

Standards
IEC/EN 60947-5-2

Ambient temperature
-40 - +70

Mechanical shock resistance
30
Shock duration 11 ms g

Degree of Protection
IP67

Characteristics

Rated switching distance
Rated switching distance [S_n]
35 mm

Repetition accuracy of S_n
2 %

Temperature drift of S_n
10 %

Switching hysteresis of S_n
15 %

Rated operational voltage [U_o]
10 – 48 V DC

Maximum load current [I_o]
< 300 mA

Operating current in the switched state at 24 V DC [I_o]

25 mA

Voltage drop at I_b [U_d]
2.5 V

Switching Frequency
100 Hz

Residual current through the load in the blocked state at 230
V AC and 24 V DC [I_r]
0.15 mA

Switching state display
Red LED

Operating voltage display
Green LED

Protective functions
Short-circuit protective device
Protection against polarity reversal
Protection against wire breakage

Connection
4-wire

Contacts
N/C = Normally closed
1 NC

Contacts
N/O = Normally open
1 NO

Style
Design (outer dimensions)
40 x 40 x 40 mm

For connection of:
Plug-in connection M12 x 1

Material
Zinc/Insulated material

Surface finish
Zinc alloy

DESIGN VERIFICATION AS PER IEC/EN 61439

Operating ambient temperature min.
-40 °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 (ec@ss10.0.1-27-27-01-01 [AGZ376015])

Width sensor
40 mm

Height of sensor
40 mm

Length of sensor
40 mm

Diameter sensor
0 mm

Mechanical mounting condition for sensor
Not flat

Switching distance
35 mm

Suitable for safety functions
No

Type of switch function
Anticoincidence

Type of switching output
Other

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

Metallic Target

Type of interface
None

Type of interface for safety communication
None

Construction type housing
Cuboid

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
6 - 48 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
6 - 48 V

Voltage type
DC

Switching frequency
100 Hz

With monitoring function downstream switching devices
No

Material housing
Plastic

Compression-resistant

Nb

Explosion safety category for gas
None

Explosion safety category for dust
None

Interference resistance to magnetic fields

APPROVALS

Product Standards
UL 508; CSA-C22.2 No. 14; IEC60947-5-2; CE marking

UL File No.
E166051

UL Category Control No.
NRK1, NRK17

CSA File No.
UL report applies to both Canada and US

CSA Class No.
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North America Certification
UL listed, certified by UL for use in Canada

Max. Voltage Rating
48 V DC

Degree of Protection
IEC: IP68; UL Type 4, 4X, 6, 6P, 12, 13

DIMENSIONS



