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Worldwide English



E52Q-DL20SAD01 - Proximity switch, inductive, 1NO+1NC, Sn=20mm, 4L, 10-48VDC, NPN, PNP, quad.40, insulated material



135806 E52Q-DL20SAD01

[Overview](#) [Specifications](#) [Resources](#)



135806 E52Q-DL20SAD01

Proximity switch, inductive, 1NO+1NC, Sn=20mm, 4L, 10-48VDC, NPN, PNP, quad.40, insulated material

Alternate Catalog No.

E52Q-DL20SAD01

EL-Nummer (Norway)

4315359

Proximity switch, 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: $U_e = 10 - 48$ V DC, Rated switching distance: $S_n = 20$ mm, Type of mounting: Flush, Switching type: NPN, PNP, Plug-in connection M12 x 1, Contacts NC = Normally closed: 1 NC, Contacts NO = Normally open: 1 NO, Material: Zinc/Insulated material, Degree of Protection: IP67, Standards: IEC/EN 60947-5-2

• [Delivery program](#)

• [Technical data](#)

• [Design verification as per IEC/EN 61439](#)

• [Technical data ETIM 7.0](#)

• [Approvals](#)

• [Dimensions](#)

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_e]

10 – 48 V DC

Rated switching distance [S_n]

20 mm

Type of mounting

Flush

Switching type

NPN

PNP

For connection of:

Plug-in connection M12 x 1

Contacts

NC = Normally closed

1 NC

NO = 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]
20 mm
Repetition accuracy of S_n
2 %
Temperature drift of S_n
10 %
Switching hysteresis of S_n
15 %
Rated operational voltage [U_b]
10 – 48 V DC
Maximum load current [I_b]
< 300 mA
Operating current in the switched state at 24 V DC [I_b]
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 NC = Normally closed
1 NC
Contacts NO = 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 Entry 10

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

40 mm

Height of sensor

40 mm

Length of sensor

40 mm

Diameter sensor

0 mm

Mechanical mounting condition for sensor

Concise

Switching distance

20 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 50HZ

0 - 0 V

Rated control supply voltage U_s at AC 60HZ

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

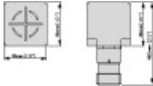
Compression-resistant

No
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.
NRKH, NRKH7
CSA File No.
UL report applies to both Canada and US
CSA Class No.
—
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

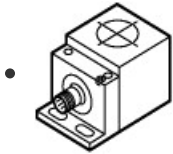


Product photo



1360PIC-8
Photo

3D drawing



1360DRV-39
Line drawing

Dimensions single product



1360DIM-313
Line drawing

Instruction Leaflet

- Inductive sensors: Cube Series (IL05301007Z)
Asset
(PDF, multilingual)

Declaration of Conformity

- [Inductive Proximity Sensor, E52 \(Cube\) and E56 \(Pancake\) \(DA-DC-00002423\)](#)
Asset
(PDF)

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