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E52Q-DL25UAD01 - Proximity switch, inductive, 1NO+1NC, Sn=25mm, 4L, 10-48VDC, NPN, PNP, quad.40, insulated material



135808 E52Q-DL25UAD01
[Overview](#) [Specifications](#) [Resources](#)



- 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]
25 mm
Type of mounting
Non-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

135808 E52Q-DL25UAD01

Proximity switch, inductive, 1NO+1NC, Sn=25mm, 4L, 10-48VDC, NPN, PNP, quad.40, insulated material
Alternate Catalog No. E52Q-DL25UAD01
EL-Nummer (Norway) 0004315361

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: Sn= 25 mm, Type of mounting: Non-flush, Switching type: NPN, PNP, Plug-in connection M12 x 1, Contacts N/C = Normally closed: 1 NC, Contacts N/O = Normally open: 1 NO, Material: Zinc/Insulated material, Degree of Protection: IP67, Standards: IEC/EN 60947-5-2

Rated switching distance
 25 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_o [U_i]
 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 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 (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
 Not flat
 Switching distance
 25 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
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.
NRK4, NRK4-7
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



3D drawing



Dimensions single product



1360DIM-313

Dimensions single product

Line drawing

Instruction Leaflet

- Inductive sensors: Cube Series (IL05301007Z)
Instruction Leaflet
(PDF, International)

Declaration of Conformity

- DA-DC-00002423
Declaration of Conformity
(PDF)

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