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Worldwide English



E57-08GU02-GDB - Proximity switch, E57 Global Series, 1 N/O, 3-wire, 10 - 30 V DC, M8 x 1 mm, Sn= 2 mm, Non-flush, PNP, Stainless steel, Plug-in connection M12 x 1



135866 E57-08GU02-GDB

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135866 E57-08GU02-GDB

Proximity switch, E57 Global Series, 1 N/O, 3-wire, 10 - 30 V DC, M8 x 1 mm, Sn= 2 mm, Non-flush, PNP, Stainless steel, Plug-in connection M12 x 1

Alternate Catalog No.

E57-08GU02-GDB

EL-Nummer (Norway)

4315368

Proximity switch, Inductive Sensors, Product range: E57 Global Series, Connection: 3-wire, Design (outer dimensions): M8 x 1 mm, Rated operational voltage: U_e = 10 - 30 V DC, Rated switching distance: Sn= 2 mm, Type of mounting: Non-flush, Switching type: PNP, Plug-in connection M12 x 1, Contacts N/O = Normally open: 1 N/O, Material: Stainless steel, Degree of Protection: IP67, IP69K, Standards: IEC/EN 60947-5-2

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Delivery program

Basic function
Inductive Sensors
Product range
E57 Global Series
Connection
3-wire
Design (outer dimensions)
M8 x 1 mm
Rated operational voltage [U_e]
10 - 30 V DC
Rated switching distance [S_n]
2 mm
Type of mounting
Non-flush
Switching type
PNP
For connection of:
Plug-in connection M12 x 1
Contacts
N/O = Normally open
1 N/O
Material
Stainless steel
Degree of Protection
IP67, IP69

Technical data

General
Standards

IEC/EN 60947-5-2

Ambient temperature

-25 - +70

Mechanical shock resistance

30

Shock duration 11 ms g

Degree of Protection

IP67, IP69

Characteristics

Rated switching distance Rated switching distance [S_n]

2 mm

Repetition accuracy of S_n

1 %

Temperature drift of S_n

10 %

Switching hysteresis of S_n

15 %

Rated operational voltage [U_b]

10 - 30 V DC

Residual ripple of U_b

10 %

Maximum load current [I_b]

< 100 mA

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

10 mA

Voltage drop at I_b [U_d]

1.5 V

Switching Frequency

2000 Hz

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

0.01 mA

Switching state display

Red LED

Protective functions

Short-circuit protective device

Protection against polarity reversal

Protection against wire breakage

Connection

3-wire

Contacts N/O = Normally open

1 N/O

Style Design (outer dimensions)

M8 x 1 mm

For connection of:

Plug-in connection M12 x 1

Material

Stainless steel

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) / 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

0 mm

Height of sensor

0 mm

Length of sensor

71 mm

Diameter sensor

8 mm

Mechanical mounting condition for sensor

Not flat

Switching distance
 2 mm
 Suitable for safety functions
 No
 Type of switch function
 Normally open 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
 Metallic Target
 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 50Hz
 0 - 0 V
 Rated control supply voltage U_s at AC 60Hz
 0 - 0 V
 Rated control supply voltage U_s at DC
 10 - 30 V
 Voltage type
 DC
 Switching frequency
 2000 Hz
 With monitoring function downstream switching devices
 No
 Material housing
 Metal
 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.
 CSA report applies to both Canada and US
 UL Category Control No.

—
CSA File No.
224447
CSA Class No.
4652-04 / 4652-84
North America Certification
CSA certified, certified by CSA for use in the US
Max. Voltage Rating
30 V DC
Degree of Protection
IEC: IP67, IP69K; UL/CSA Type: -

3D drawing



1360DRV-22

Line drawing

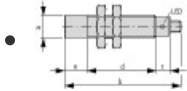
Product photo



1360PIC-15

Photo

Dimensions single product



1360DIM-47

Line drawing

Instruction Leaflet

- Inductive sensors: Global Series (IL05301002Z)
Asset
(PDF, multilingual)

Declaration of Conformity

EU

- Inductive Proximity Sensors Tubular (DA-DC-00003286)
Asset
(PDF)

CAD data

edz files

- DA-CE-ETN.E57-08GU02-GDB
File
(Web)

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