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E57-08GS01-GDB - Proximity switch, E57 Global Series, 1 N/O, 3-wire, 10 - 30 V DC, M8 x 1 mm Sn= 1 mm Flush, PNP, Stainless steel, Plug-in connection M12 x 1



135862 E57-08GS01-GDB

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135862 E57-08GS01-GDB

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

Alternate Catalog No.

E57-08GS01-GDB

EL-Nummer (Norway)

0004315367

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= 1 mm Type of mounting: 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

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]
1 mm
Type of mounting
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 distanceRated switching distance [S_n]
1 mm
Repetition accuracy of S_n
1 %
Temperature drift of S_n
10 %
Switching hysteresis of S_n
15 %
Rated operational voltage [U_e]
10 - 30 V DC
Residual ripple of U_e

• Delivery program

• Technical data

Design verification as per IEC/EN
61439

• Technical data ETIM 7.0

• Approvals

10 %
 Maximum load current [I_L]
 < 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
 Concise
 Switching distance
 1 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



Product photo



Dimensions single product



Instruction Leaflet

- Inductive sensors: Global Series (IL05301002Z)
Instruction Leaflet
(PDF, International)

Declaration of Conformity

- DA-DC-00003286
Declaration of Conformity
(PDF)

CAD data

- [DA-CE-ETN.E57-08GS01-GDB](#)
CAD data
edz files
(Web)

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