

- German
- English
- French
- Dutch
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- Polish
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- Russian
- Norwegian Bokmål

Worldwide English



E57-08GE06-GDB - Proximity switch, E57 Global Series, 1 N/O, 3-wire, 10 - 30 V DC, M8 x 1 mm, Sn= 6 mm, Non-flush, PNP, Stainless steel, Plug-in connection M12 x 1



135858 E57-08GE06-GDB

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135858 E57-08GE06-GDB

Proximity switch, E57 Global Series, 1 N/O, 3-wire, 10 - 30 V DC, M8 x 1 mm, Sn= 6 mm, Non-flush, PNP, Stainless steel, Plug-in connection M12 x 1

Alternate Catalog No.
EL-Nummer (Norway)

E57-08GE06-GDB
4315366

Proximity switch, Inductive Sensors, Product range: E57 Global Series, Connection: 3-wire, Design (outer dimensions): M8 x 1 mm, Rated operational voltage: Ue= 10 - 30 V DC, Rated switching distance: Sn= 6 mm, Type of mounting: Non-flush, Switching type: PNP, Plug-in connection M12 x 1, Contacts NO = Normally open: 1 N/O, Material: Stainless steel, Degree of Protection: IP67, IP69K, Standards: IEC/EN 60947-5-2

- Delivery program

- Technical data

Design verification as per IEC/EN 61439

- Technical data ETIM 7.0

- Approvals

Delivery program

Basic function
Inductive Sensors
Product range
E57 Global Series
Connection
3-wire
Design (outer dimensions)
M8 x 1 mm
Rated operational voltage [Ue]
10 - 30 V DC
Rated switching distance [Sn]
6 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
0 - +60
Mechanical shock resistance
30
Shock duration 11 ms g
Degree of Protection
IP67, IP69
Characteristics
Rated switching distance
6 mm
Repetition accuracy of Sn
1 %
Temperature drift of Sn
10 %
Switching hysteresis of Sn
15 %
Rated operational voltage [Ue]
10 - 30 V DC
Residual ripple of Ue

10 %
Maximum load current [I_{L}]
< 100 mA
Operating current in the switched state at 24 V DC [I_{L}]
10 mA
Voltage drop at I_{L} [U_{L}]
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_{L}]
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.
0 °C
Operating ambient temperature max.
+60 °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
6 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 Us at AC 50HZ
0 - 0 V
Rated control supply voltage Us at AC 60HZ
0 - 0 V
Rated control supply voltage Us 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



1360DRW-22
3D drawing
Line drawing

Product photo



Photo
Product photo
Photo

Dimensions single product

- 1360DIM-47
Dimensions single product
Line drawing

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.E57-08GE06-GDB

CAD data
edz files
(Web)

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