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Powering Business Worldwide

E57-18GU08-GDB - Proximity switch, E57 Global Series, 1 N/O, 3-wire, 10 - 30 V DC, M18 x 1 mm, Sn= 8 mm, Non-flush, PNP, Metal, Plug-in connection M12 x 1



135940 E57-18GU08-GDB

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135940 E57-18GU08-GDB

Proximity switch, E57 Global Series, 1 N/O, 3-wire, 10 - 30 V DC, M18 x 1 mm, Sn= 8 mm, Non-flush, PNP, Metal, Plug-in connection M12 x 1

Alternate Catalog No.

E57-18GU08-GDB

EL-Nummer (Norway)

0004315376

Proximity switch, Inductive Sensors, Product range: E57 Global Series, Connection: 3-wire, Design (outer dimensions): M18 x 1 mm, Rated operational voltage: U_e = 10 - 30 V DC, Rated switching distance: Sn= 8 mm, Type of mounting: Non-flush, Switching type: PNP, Plug-in connection M12 x 1, Contacts N/O = Normally open: 1 N/O, Material: Metal, 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)

M18 x 1 mm

Rated operational voltage [U_e]

10 - 30 V DC

Rated switching distance [S_n]

8 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

Metal

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]

8 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_b
 10 %
 Maximum load current [I_b]
 < 100 mA
 Operating current in the switched state at 24 V DC [I_b]
 20 mA
 Voltage drop at I_b [U_d]
 1.5 V
 Switching Frequency
 500 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)
 M18 x 1 mm
 For connection of:
 Plug-in connection M12 x 1
 Material
 Metal

Design verification as per IEC/EN 61439

Operating ambient temperature min.
 -25 °C
 Operating ambient temperature max.
 +70 °C

Technical data ETIM 7.0

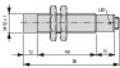
Sensors (EG000026) / Inductive proximity switch (EC002714)
 Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Proximity switch / Inductive proximity switch (ecl@ss10.0.1-27-27-01-01 [AGZ376015])
 Width sensor
 0 mm
 Height of sensor
 0 mm
 Length of sensor
 80 mm
 Diameter sensor
 18 mm
 Mechanical mounting condition for sensor
 Not flat
 Switching distance
 8 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 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
10 - 30 V
Voltage type
DC
Switching frequency
500 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: -

Dimensions



3D drawing



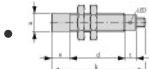
1360DRN-22
3D drawing
Line drawing

Product photo



Photo
Product photo
Photo

Dimensions single product



1360DIM-47
Dimensions single product
Line drawing



1360DIM-71
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.E57-18GU08-GDB](#)
CAD data
edz files
(Web)

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