DATASHEET - E57-18GU08-AAB



Proximity switch, E57 Global Series, 1 N/O, 2-wire, 20 - 250 V AC, M18 x 1 mm, Sn= 8 mm, Non-flush, Metal, Plug-in connection M12 x 1



Part no. E57-18GU08-AAB Catalog No. 135934

Alternate Catalog E57-18GU08-AAB

No

Delivery program

		Inductive Sensors
		E57 Global Series
		2-wire
	mm	M18 x 1
U _e		20 - 250 V AC
S_n	mm	8
		Non-flush
		Plug-in connection M12 x 1
		1 N/O
		Metal
		IP67, IP69
		U _e

Technical data

General

Standards		IEC/EN 60947-5-2
Ambient temperature		-25 - +70
Mechanical shock resistance	g	30 Shock duration 11 ms
Degree of Protection		IP67, IP69
Characteristics		

Degree of Protection			IP67, IP69
Characteristics			
Rated switching distance			
Rated switching distance	S_{n}	mm	8
Repetition accuracy of S_n		%	3
Temperature drift of $\mathbf{S}_{\mathbf{n}}$		%	10
Switching hysteresis of S_n		%	15
Rated operational voltage	U _e		20 - 250 V AC
Maximum load current	l _e	mA	< 200
Voltage drop at I _e	U_{d}	V	8
Switching Frequency		Hz	25
Min. load current	I _e	mA	5
Residual current through the load in the blocked state at 230 V AC and 24 V DC	I _r	mA	1.8
Switching state display		LED	Red
Connection			2-wire
Contacts			
N/O = Normally open			1 N/0
Style			
Design (outer dimensions)		mm	M18 x 1
For connection of:			Plug-in connection M12 x 1
Material			Metal

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.	0	С	-25
Operating ambient temperature max.	0	С	70

Technical data ETIM 7.0

Sensors (EG000026) / Inductive proximity switch (EC002714)

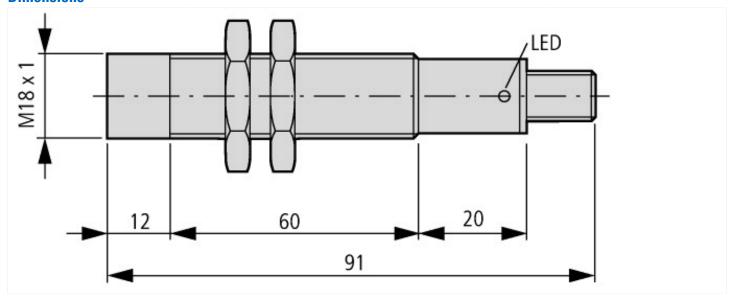
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Proximity switch / Inductive proximity switch

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		mm	0
Height of sensor		mm	0
Length of sensor		mm	91
Diameter sensor		mm	18
Mechanical mounting condition for sensor			Not flat
Switching distance		mm	8
Suitable for safety functions			No
Type of switch function			Normally open contact
Type of switching output			Two-wire
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			В
SIL according to IEC 61508			None
Performance level acc. EN ISO 13849-1			None
Max. output current at protected output		mA	0
Supply voltage		V	20 - 250
Rated control supply voltage Us at AC 50HZ		V	20 - 250
Rated control supply voltage Us at AC 60HZ		V	20 - 250
Rated control supply voltage Us at DC		V	0 - 0
Voltage type			AC
Switching frequency		Hz	25
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

Philippe	
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	250 V AC
Degree of Protection	IEC: IP67, IP69K; UL/CSA Type: -

Dimensions



Assets (links)

Declaration of CE Conformity

00003158

Instruction Leaflets

IL05301002Z2018_05

Additional product information (links)

IL05301002Z Global Series Inductive Sensors

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ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301002Z2018_05.pdf