



Proximity switch, inductive, 1N/O, $S_n=16\text{mm}$, 2L, 10-30VDC, M18, metal, M12

EATON

Powering Business Worldwide™

Part no. **E57-18GE16-DDB**
 Article no. **135920**
 Catalog No. **E57-18GE16-DDB**

Delivery program

Basic function			Inductive Sensors
Product range			E57 Global Series
Connection			2-wire
Design (outer dimensions)		mm	M18 x 1
Rated operational voltage	U_e		10 - 30 V DC
Rated switching distance	S_n	mm	16
Type of mounting			Non-flush
For connection of:			Plug-in connection M12 x 1
Contacts			
N/O = Normally open			1 N/O
Material			Metal
Degree of Protection			IP67, IP69K

Technical data

General

Standards			IEC/EN 60947-5-2
Ambient temperature			0 - +60
Mechanical shock resistance		g	30 Shock duration 11 ms
Degree of Protection			IP67, IP69K

Characteristics

Rated switching distance			
Rated switching distance	S_n	mm	16
Repetition accuracy of S_n		%	2
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		%	10
Maximum load current	I_e	mA	< 100
Operating current in the switched state at 24 V DC	I_b	mA	10
Voltage drop at I_e	U_d	V	6
Switching Frequency		Hz	500
Min. load current	I_e	mA	3
Residual current through the load in the blocked state at 230 V AC and 24 V DC	I_r	mA	0.8
Switching state display		LED	Red
Connection			2-wire
Contacts			
N/O = Normally open			1 N/O
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.		°C	0
Operating ambient temperature max.		°C	60

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: -

Additional product information (links)

IL05301002Z Global Series Inductive Sensors	
IL05301002Z Global Series Inductive Sensors	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301002Z2016_07.pdf