



Proximity switch, inductive, 1 N/C, Sn=10mm, 3L, 6-48VDC, PNP, M30, metal, line 2m

Part no. E57SBL30T111
Catalog No. 136180
Eaton Catalog No. E57SBL30T111

Delivery program

Basic function			Inductive Sensors
Product range			E57 Premium+ Short-Series
Connection			3-wire
Design (outer dimensions)		mm	M30 x 1.5
Rated operational voltage	U_e		6 - 48 V DC
Rated switching distance	S_n	mm	15
Type of mounting			Flush
Switching type			PNP
For connection of:			2 m connection cable
Contacts			
N/C = Normally closed			1 NC
Material			Stainless steel
Degree of Protection			IP67

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

Characteristics

Rated switching distance			
Rated switching distance	S_n	mm	15
Repetition accuracy of S_n		%	1
Temperature drift of S_n		%	10
Switching hysteresis of S_n		%	15
Rated operational voltage	U_e		6 - 48 V DC
Maximum load current	I_e	mA	< 500 (6 - 32 V DC) / 250 (32 - 48 V DC)
Switching Frequency		Hz	300
Connection			3-wire
Contacts			
N/C = Normally closed			1 NC
Style			
Design (outer dimensions)		mm	M30 x 1.5
For connection of:			2 m connection cable
Material			Stainless steel

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70

Technical data ETIM 7.0

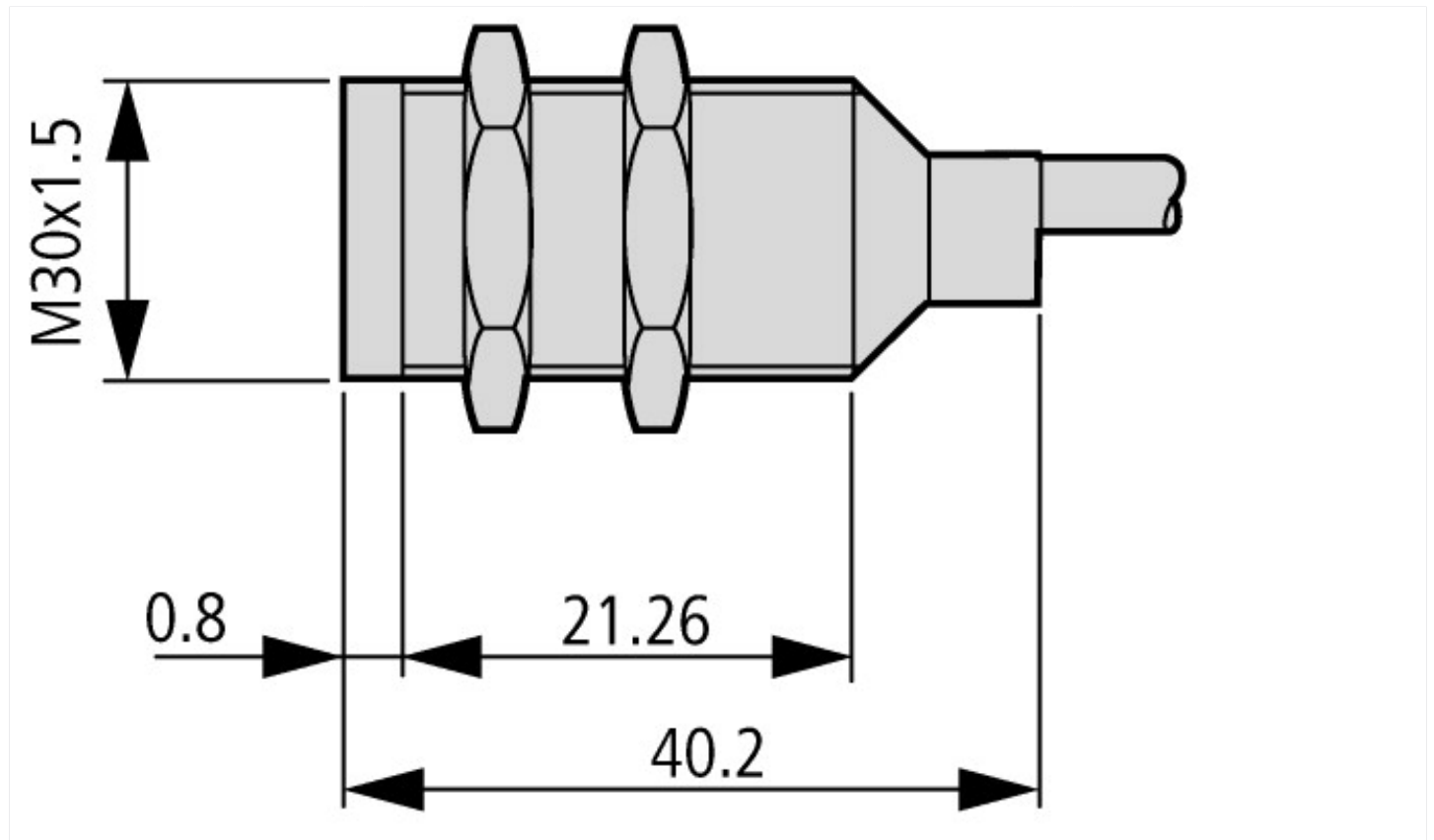
Sensors (EG000026) / Inductive proximity switch (EC002714)	
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Proximity switch / Inductive proximity switch (ec1@ss10.0.1-27-01-01 [AGZ376015])	

Width sensor		mm	0
Height of sensor		mm	0
Length of sensor		mm	40
Diameter sensor		mm	30
Mechanical mounting condition for sensor			Concise
Switching distance		mm	10
Suitable for safety functions			No
Type of switch function			Breaker contact
Type of switching output			PNP
Type of electric connection			Cord
Type of electric connection			Cable
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		mA	0
Supply voltage		V	6 - 48
Rated control supply voltage Us at AC 50HZ		V	0 - 0
Rated control supply voltage Us at AC 60HZ		V	0 - 0
Rated control supply voltage Us at DC		V	6 - 48
Voltage type			DC
Voltage type			DC
Switching frequency		Hz	300
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.			E166051
UL Category Control No.			NRKH, NRKH7
CSA File No.			50513
CSA Class No.			3211-03
North America Certification			UL listed, CSA certified
Max. Voltage Rating			250 V AC, 250 V DC
Degree of Protection			IEC: IP67; UL/CSA Type: 4, 4x, 6, 6P, 12, 13

Dimensions



Additional product information (links)

IL05301003Z Premium Plus Series Inductive Sensors +Short, +Miniature

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ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301003Z2018_05.pdf