



Proximity switch, inductive, 1N/O+1N/C, $S_n=15\text{mm}$, 4L, 6-48VDC, NPN, PNP, quad.40, insulated material

Part no. **E52Q-DL15SAD01**
Article no. **135804**
Catalog No. **E52Q-DL15SAD01**

Delivery programme

Basic function			Inductive Sensors
Product range			E52 Cube Series
Description			Housing adapter
Connection			4-wire
Design (outer dimensions)		mm	40 x 40 x 40
Rated operational voltage	U_e		10 – 48 V DC
Rated switching distance	S_n	mm	15
Type of mounting			Flush
Switching type			NPN PNP
For connection of:			Plug-in connection M12 x 1
Contacts			
N/C = Normally closed			1 NC
N/O = Normally open			1 N/O
Material			Zinc/Insulated material
Degree of Protection			IP67

Technical data

General

Standards			IEC/EN 60947-5-2
Ambient temperature		°C	-40 - +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		%	2
Temperature drift of S_n		%	10
Switching hysteresis of S_n		%	15
Rated operational voltage	U_e		10 – 48 V DC
Maximum load current	I_e	mA	< 300
Operating current in the switched state at 24 V DC	I_b	mA	25
Voltage drop at I_e	U_d	V	2.5
Switching Frequency		Hz	100
Residual current through the load in the blocked state at 230 V AC and 24 V DC	I_r	mA	0.15
Switching state display		LED	Red
Operating voltage display		LED	Green
Protective functions			Short-circuit protective device Protection against polarity reversal Protection against wire breakage
Connection			4-wire
Contacts			
N/C = Normally closed			1 NC
N/O = Normally open			1 N/O
Style			
Design (outer dimensions)		mm	40 x 40 x 40
For connection of:			Plug-in connection M12 x 1
Material			Zinc/Insulated material

Surface finish		Zinc alloy
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Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	70

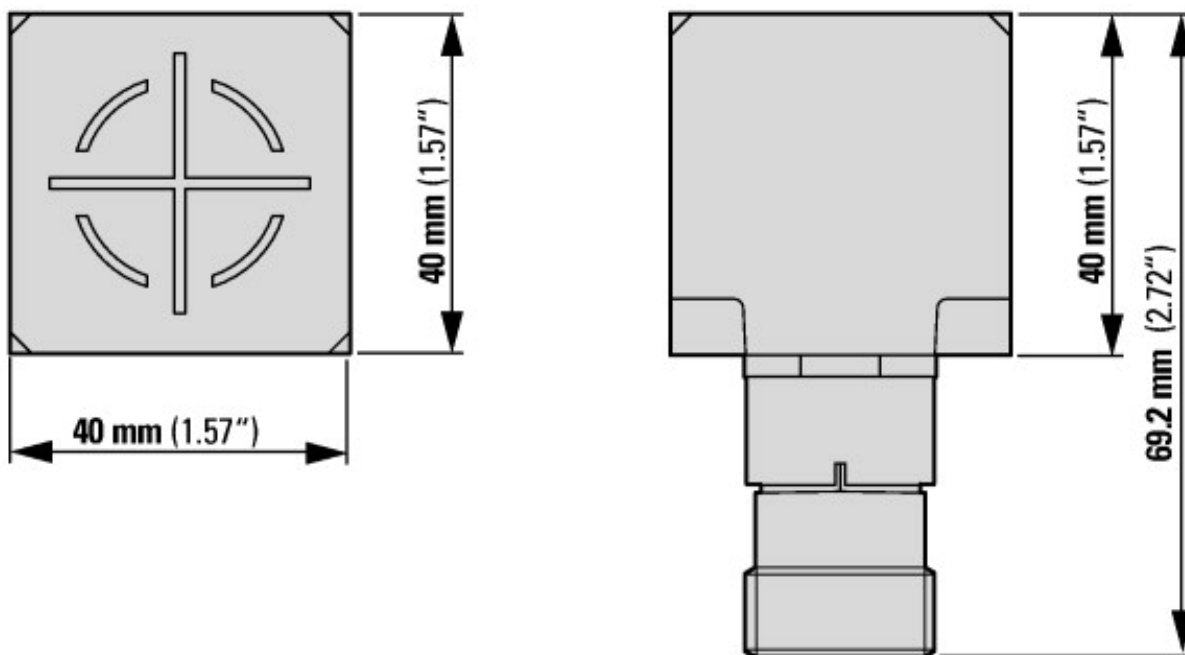
Technical data ETIM 6.0

Sensors (EG000026) / Inductive proximity switch (EC002714)			
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Proximity switch / Inductive proximity switch (ecI@ss8.1-27-27-01-01 [AGZ376012])			
Width sensor		mm	40
Height of sensor		mm	40
Length of sensor		mm	40
Diameter sensor		mm	0
Mechanical mounting condition for sensor			Concise
Switching distance		mm	15
Suitable for safety functions			No
Type of switch function			Anticoincidence
Type of switching output			-
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			Cuboid
Coating housing			-
Cascadable			No
Category according to EN 954-1			B
Performance level acc. to EN ISO 13849-1			-
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
Switching frequency		Hz	100
With monitoring function downstream switching devices			No
Material housing			Plastic
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.		UL report applies to both Canada and US
CSA Class No.		—
North America Certification		UL listed, certified by UL for use in Canada
Max. Voltage Rating		48 V DC

Dimensions



Additional product information (links)

IL05301007Z E52Q Series Inductive Sensors

IL05301007Z E52Q Series Inductive Sensors ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301007Z2012_08.pdf