

Proximity switch, inductive, 1N/O, Sn=8mm, 4L, 6-48VDC, NPN, PNP, M18, metal



Part no. E59-M18A108D01-D1 Article no. 136215

Catalog No. E59-M18A108D01-D1

Delivery program

Basic function Inductive Sensors Product range iProx Series Connection 3-wire Design (outer dimensions) mm M18 x 1 Rated operational voltage Ue 6-48 V DC Rated switching distance Sn mm 8 Type of mounting Flush NPN Switching type NPN NPN For connection of: Plug-in connection M12 x 1 Contacts 1 N/O Mormally open 1 N/O Material 1 N/O Degree of Protection 1 P67, IP69K	Zonio, program			
Connection Design (outer dimensions) Rated operational voltage Rated switching distance Sn mm M18 x 1 Flush Switching type For connection of: Contacts N/O = Normally open Material Material Sawire 3-wire 3-wire 3-wire 3-wire 3-wire 4-48 V DC 6-48 V DC Flush Plush Plush Plush Plug-in connection M12 x 1 1 N/O Stainless steel	Basic function			Inductive Sensors
Design (outer dimensions) Rated operational voltage Ue 6 - 48 V DC Rated switching distance Sn mm 8 Type of mounting Switching type For connection of: Contacts N/O = Normally open Material Material M18 x 1 6 - 48 V DC Flush Flush Plush Plush Plug-in connection M12 x 1 Stainless steel	Product range			iProx Series
Rated operational voltage Rated switching distance Sn mm 8 Type of mounting Switching type For connection of: Contacts N/O = Normally open Material De 6 - 48 V DC Flush Flush Plug-in connection M12 x 1 1 N/O Stainless steel	Connection			3-wire
Rated switching distance Sn mm 8 Type of mounting Switching type For connection of: Contacts N/O = Normally open Material Sn mm 8 Flush NPN PNP PNP Plug-in connection M12 x 1 1 N/O Stainless steel	Design (outer dimensions)		mm	M18 x 1
Type of mounting Switching type NPN PNP For connection of: Contacts N/0 = Normally open Material Flush Plush NPN PNP Plug-in connection M12 x 1 1 N/0 Stainless steel	Rated operational voltage	U _e		6 - 48 V DC
Switching type NPN PNP For connection of: Plug-in connection M12 x 1 Contacts N/O = Normally open 1 N/O Material Stainless steel	Rated switching distance	S_n	mm	8
PNP For connection of: Contacts N/0 = Normally open Material Plug-in connection M12 x 1 I N/0 Stainless steel	Type of mounting			Flush
Contacts N/0 = Normally open 1 N/0 Material Stainless steel	Switching type			
N/O = Normally open 1 N/O Material Stainless steel	For connection of:			Plug-in connection M12 x 1
Material Stainless steel	Contacts			
	N/0 = Normally open			1 N/0
Degree of Protection IP67, IP69K	Material			Stainless steel
	Degree of Protection			IP67, IP69K

Technical data

General

General			
Standards			IEC/EN 60947-5-2
Ambient temperature			-40 - +70
Mechanical shock resistance		g	30 Shock duration 11 ms
Degree of Protection			IP67, IP69K
Characteristics			
Rated switching distance			
Rated switching distance	S_n	mm	8
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	< 300
Operating current in the switched state at 24 V DC	I _b	mA	15
Voltage drop at I _e	U_{d}	V	2.5
Switching Frequency		Hz	390
Min. load current	I _e	mA	1
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			3-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			Stainless steel

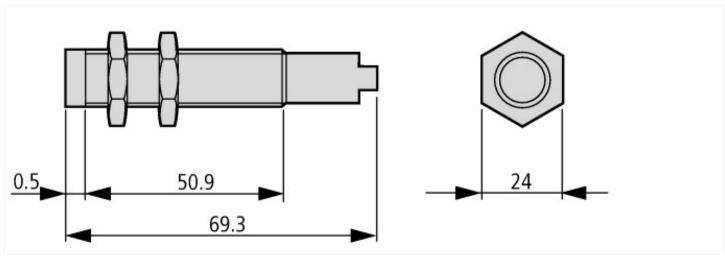
Design verification as per IEC/EN 61439

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

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
Degree of Protection	IEC: IP67, IP69K; UL/CSA Type: 4, 4x, 6, 6P, 12, 13

Dimensions



Additional product information (links)

IL05301004Z iProx Series Inductive Sensors

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ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301004Z2016_07.pdf