



Proximity switch, inductive, 1 N/C,  $S_n=29\text{mm}$ , 4L, 6-48VDC, NPN, PNP, M30, metal

Part no. **E59-M30C129D01-D2**  
Article no. **136228**  
Catalog No. **E59-M30C129D01-D2**

## Delivery program

Basic function			Inductive Sensors
Product range			iProx 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	29
Type of mounting			Non-flush
Switching type			NPN PNP
For connection of:			Plug-in connection M12 x 1
<b>Contacts</b>			
N/C = Normally closed			1 NC
Material			Stainless steel
Degree of Protection			IP67, IP69K

## Technical data

### 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	29
Repetition accuracy of $S_n$		%	3
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	145
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/C = Normally closed			1 NC
Style			
Design (outer dimensions)		mm	M30 x 1.5
For connection of:			Plug-in connection M12 x 1
Material			Stainless steel

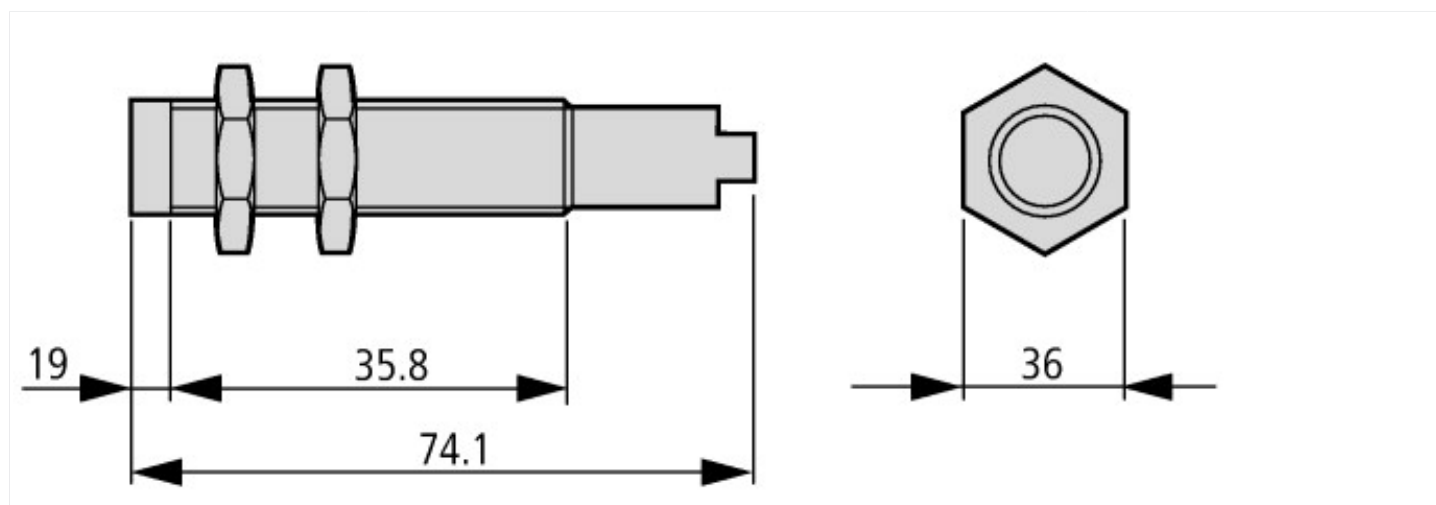
## Design verification as per IEC/EN 61439

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

IL05301004Z iProx Series Inductive Sensors [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05301004Z2016\\_07.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301004Z2016_07.pdf)