



Proximity switch, inductive, 1N/O,  $S_n=8\text{mm}$ , 3L, 10-30VDC, NPN, M18, insulated material, line 2m

Part no. **E55CAL18T110E**  
Article no. **135825**  
Catalog No. **E55CAL18T110E**

## Delivery program

Basic function			Inductive Sensors
Product range			E55 Limit Switch Style Series
Connection			3-wire
Design (outer dimensions)		mm	M18 x 1
Rated operational voltage	$U_e$		10 - 30 V DC
Rated switching distance	$S_n$	mm	8
Type of mounting			Non-flush
Switching type			NPN
For connection of:			2 m connection cable
<b>Contacts</b>			
N/O = Normally open			1 N/O
Material			Insulated material
Degree of Protection			IP66

## 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			IP66

### Characteristics

Rated switching distance			
Rated switching distance	$S_n$	mm	8
Repetition accuracy of $S_n$		%	10
Temperature drift of $S_n$		%	10
Switching hysteresis of $S_n$		%	20
Rated operational voltage	$U_e$		10 - 30 V DC
Supply frequency			50 - 60
Residual ripple of $U_e$		%	10
Maximum load current	$I_e$	mA	< 200
Operating current in the switched state at 24 V DC	$I_b$	mA	3
Voltage drop at $I_e$	$U_d$	V	8
Switching Frequency		Hz	500
Switching state display		LED	Red
Protective functions			Short-circuit protective device Protection against polarity reversal
Connection			3-wire
Contacts			
N/O = Normally open			1 N/O
Style			
Design (outer dimensions)		mm	M18 x 1
For connection of:			2 m connection cable
Material			Insulated material

## Design verification as per IEC/EN 61439

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

Operating ambient temperature max.

°C 70

## Approvals

Product Standards

CE marking

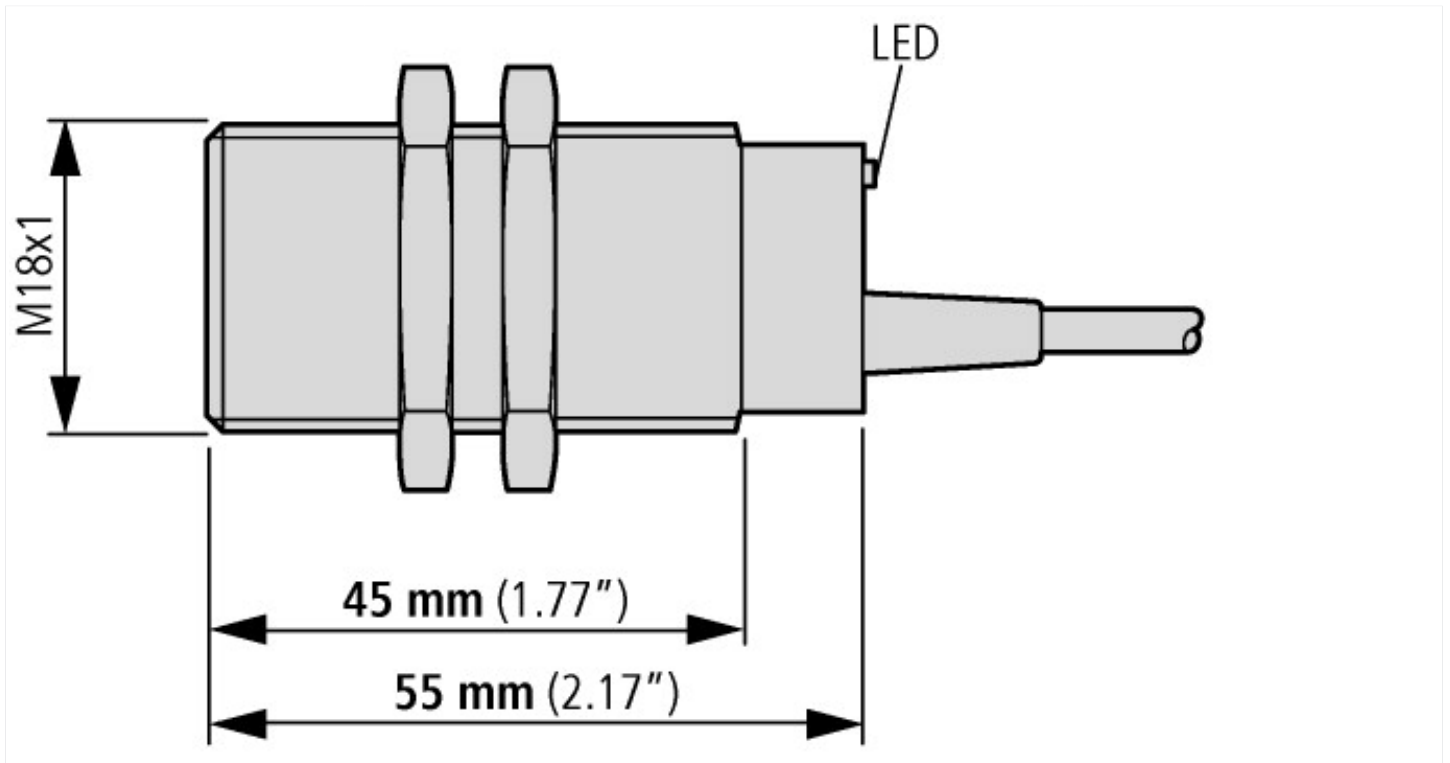
Max. Voltage Rating

30 V DC

Degree of Protection

IEC: IP66; UL/CSA: NEMA 4, 4X, 13

## Dimensions



## Additional product information (links)

**IL05301005Z E55 Series Barrel-Style Inductive Sensors**

IL05301005Z E55 Series Barrel-Style Inductive Sensors [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05301005Z2016\\_07.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301005Z2016_07.pdf)