# Proximity Sensor, M18, analog, Sn=1-7mm, 15-30VDC, 0-20mA, 0-10V, line 2m



Part no. E59-A18A107C02-CV Article no. 166804

Catalog No. E59-A18A107C02-CV

# **Delivery program**

Basic function			Inductive Sensors
Product range			E59 AccuProx Series
Description			Current output (0 - 20 mA) and voltage output (0 - 10 V)
Connection			3-wire/4-wire
Design (outer dimensions)		mm	M18 x 1
Rated operational voltage	U <sub>e</sub>		15 - 30 V DC
Rated switching distance	$S_n$	mm	1-7
Type of mounting			Flush
Switching type			Analog
For connection of:			2 m connection cable
Material			Stainless steel
Degree of Protection			IP67

## **Technical data**

#### General

Mechanical shock resistance  Begree of Protection  Characteristics  Repetition accuracy of S <sub>n</sub> Repetition accuracy of S <sub>n</sub> W  10  Rated operational voltage  Switching state display  Degrating voltage display  LED  Connection  Style  Design (outer dimensions)  For connection of:  Begree of Protection  IP67  2  CONDECT  Begree  IP67  10  10  10  10  10  10  10  10  11  12  13  14  15  19  10  10  10  11  11  11  11  11  11	Standards			IEC/EN 60947-5-2
Degree of Protection P	Ambient temperature			-40 - +70
Characteristics  Repetition accuracy of S <sub>n</sub>	Mechanical shock resistance		g	
Repetition accuracy of S <sub>n</sub> Repetition accuracy of S <sub>n</sub> Repetition accuracy of S <sub>n</sub> N  10  Rated operational voltage  Ue  15 - 30 V DC  Switching state display  LED  Red  Operating voltage display  LED  Green  Connection  Style  Design (outer dimensions)  mm  M18 x 1  Enconnection cable	Degree of Protection			IP67
Temperature drift of S <sub>n</sub> Rated operational voltage  U <sub>e</sub> 15 - 30 V DC  Switching state display  LED  Red  Operating voltage display  LED  Green  Connection  Style  Design (outer dimensions)  M18 x 1  2 m connection cable	Characteristics			
Rated operational voltage  Ue  LED Red  Operating voltage display  LED Green  Connection  Style Design (outer dimensions)  mm M18 x 1  For connection of:  Design (outer dimensions)  LED Style Design (outer dimensions)  Mm M18 x 1  Z m connection cable	Repetition accuracy of $S_n$		%	2
Switching state display  LED Red  Operating voltage display  LED Green  Connection  3-wire/4-wire  Design (outer dimensions)  mm M18 x 1  For connection of:  2 m connection cable	Temperature drift of S <sub>n</sub>		%	10
Operating voltage display  Connection  Style  Design (outer dimensions)  mm  M18 x 1  For connection of:  2 m connection cable	Rated operational voltage	U <sub>e</sub>		15 - 30 V DC
Connection 3-wire/4-wire  Style	Switching state display		LED	Red
Style Design (outer dimensions) mm M18 x 1 For connection of: 2 m connection cable	Operating voltage display		LED	Green
Design (outer dimensions) mm M18 x 1 For connection of: 2 m connection cable	Connection			3-wire/4-wire
For connection of: 2 m connection cable	Style			
	Design (outer dimensions)		mm	M18 x 1
Material Stainless steel	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	-40
Operating ambient temperature max.	°C	70

## **Approvals**

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

## **Additional product information (links)**

IL05301010Z AccuProx Series Analog Inductive Sensors

IL05301010Z AccuProx Series Analog Inductive Sensors

IL05301010Z AccuProx Series Analog Inductive ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL05301010Z2016\_07.pdf