



Proximity Sensor, M12, analog, $S_n=0.5-4\text{mm}$, 15-30VDC, 4-20mA, M12

Part no. E59-A12A104D01-C1
Article no. 166833
Catalog No. E59-A12A104D01-C1

Delivery program

Basic function			Inductive Sensors
Product range			E59 AccuProx Series
Description			Current output (4 - 20 mA)
Connection			3-wire/4-wire
Design (outer dimensions)		mm	M12 x 1
Rated operational voltage	U_e		15 - 30 V DC
Rated switching distance	S_n	mm	0.5 - 4
Type of mounting			Flush
Switching type			Analog
For connection of:			Plug-in connection M12 x 1
Material			Stainless steel
Degree of Protection			IP67

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

Characteristics

Repetition accuracy of S_n		%	3
Temperature drift of S_n		%	10
Rated operational voltage	U_e		15 - 30 V DC
Switching state display		LED	Red
Operating voltage display		LED	Green
Connection			3-wire/4-wire
Style			
Design (outer dimensions)		mm	M12 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.			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](#)

