IA12CLF02UCM1

Carlo Gavazzi Inductive Proximity Plastic Long M12 DC Namur NC Output 2mm Sense plus 5m M12

NON-CONTACT SENSORS



Component type	Inductive proximity switch
Range	Inductive Prox
Model	N/A
Alternative	NO ALTERNATIVE ITEM

The Carlo Gavazzi Inductive Proximity Sensors are a reliable and contactless solution in the detection of machinery and automation equipment. Available in a variety of styles and resistant to high level shock and vibration. Able to withstand wide temperature variations and voltage peaks of up to 200V making them ideal for high pressure and high temperature wash-down environments.

ELECTRICAL	Type of actuation	Metallic Target
	Switching distance	2 mm
	Voltage type	DC
	Rated control supply voltage Us at DC	7-9 V
	Type of switch function	Breaker contact
	Type of switching output	NAMUR
	Switching frequency	1400 Hz
	Type of electric connection	Flat plug-in connection
	Supply voltage	7-9 V
	Number of protected semiconductor outputs	1
COMMUNICATION	Type of interface	None
CONSTRUCTION	Construction type housing	Cylinder, screw-thread
	Material housing	Plastic
	IP rating	IP67
	Coating housing	Other
	Cascadable	No
	Compression-resistant	No
	Suitable for safety functions	No
MECHANICAL	Mechanical mounting condition for sensor	Other
DIMENSIONS	Diameter sensor	12 mm
	Length of sensor	50 mm
	Cable length	0 m
	Weight (cable excluded)	10 g
ENVIRONMENT	Storage temperature	-30…80 °C
CERTIFICATES/APPROVALS	SIL according to IEC 61508	None

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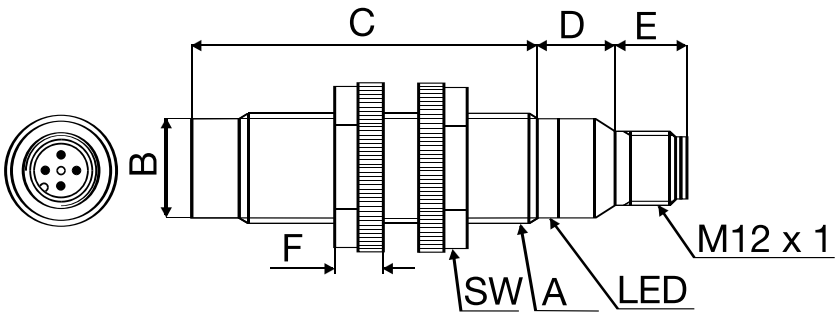
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NON-CONTACT SENSORS

CERTIFICATES/APPROVALS

Explosion safety category for gas	None
Explosion safety category for dust	None

DIMENSIONAL DIAGRAM



Type	A	B Ø mm	C mm	D mm	E mm	F mm	SW mm
IA 12 CSF 02 UC	M12 x 1 x 30	10.7	30	11	5.0	8	17
IA 12 CLF 02 UC	M12 x 1 x 50	10.7	50	11	5.0	8	17
IA 12 CSF 02 UC M1	M12 x 1 x 30	10.7	30	12.6	11.9	8	17
IA 12 CLF 02 UC M1	M12 x 1 x 50	10.7	50	12.6	11.9	8	17
IA 12 CSN 04 UC	M12 x 1 x 30	10.7	34	11	5.0	8	17
IA 12 CLN 04 UC	M12 x 1 x 50	10.7	54	11	5.0	8	17
IA 12 CSN 04 UC M1	M12 x 1 x 30	10.7	34	12.6	11.9	8	17
IA 12 CLN 04 UC M1	M12 x 1 x 50	10.7	54	12.6	11.9	8	17
IA 18 CSF 05 UC	M18 x 1 x 30	16.7	30	11.6	15.4	8	24
IA 18 CLF 05 UC	M18 x 1 x 50	16.7	50	11.6	15.4	8	24
IA 18 CSF 05 UC M1	M18 x 1 x 30	16.7	30	13.1	11.9	8	24
IA 18 CLF 05 UC M1	M18 x 1 x 50	16.7	50	13.1	11.9	8	24
IA 18 CSN 08 UC	M18 x 1 x 30	16.7	38	11.6	15.4	8	24
IA 18 CLN 08 UC	M18 x 1 x 50	16.7	58	11.6	15.4	8	24
IA 18 CSN 08 UC M1	M18 x 1 x 30	16.7	38	13.1	11.9	8	24
IA 18 CLN 08 UC M1	M18 x 1 x 50	16.7	58	13.1	11.9	8	24
IA 30 CSF 10 UC	M30 x 1.5 x 30	28	30	13.6	15.4	10	36
IA 30 CLF 10 UC	M30 x 1.5 x 50	28	50	13.6	15.4	10	36
IA 30 CSF 10 UC M1	M30 x 1.5 x 30	28	30	13.6	11.9	10	36
IA 30 CLF 10 UC M1	M30 x 1.5 x 50	28	50	13.6	11.9	10	36
IA 30 CSN 15 UC	M30 x 1.5 x 30	28	42	13.6	15.4	10	36
IA 30 CLN 15 UC	M30 x 1.5 x 50	28	62	13.6	15.4	10	36
IA 30 CSN 15 UC M1	M30 x 1.5 x 30	28	42	13.6	11.9	10	36
IA 30 CLN 15 UC M1	M30 x 1.5 x 50	28	62	13.6	11.9	10	36