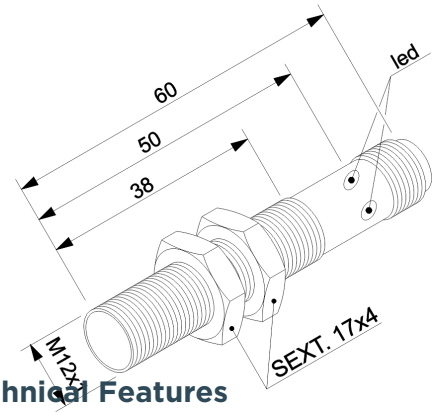
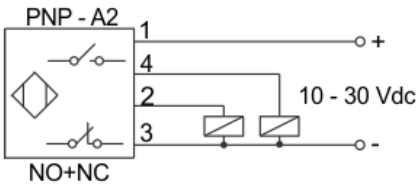
Standard Inductive Sensors

PS2-12GI50-A2-V1_CE

Dimensions(Unit:mm)



Electrical Connection



Technical Features

Signaling	
Signalling	Micro led on connector
Data Output	
Electrical connection	DC - PNP
Contact Type	NO+NC
Max. switching current	200 mA
Output protection	Short circuit and reverse
Sensor voltage drop (load powered)	<2 V
Max. switching frequency	800 Hz
Electrical Characteristics	
Supply voltage	10 to 30Vdc
Ripple	±10 %
Current consumption	<10 mA
Electrical Connection	
Electrical connection	Connector - 4 pins
Housing	
Enclosure	threaded; brass with nickel plating
Tube length options	70 mm

Operating temperature	- 25 °C to + 70 °C
Protection class	IP67, IP69K
Housing options	GX (stainless steel), GT (PTFE), GP (plastic)
Tube length	50 mm
Recommended tightening torque	3 Nm
Mechanical Characteristics	
Diameter	M12
Sensing distance Sn	02 mm
Mouting	Flushed
Hysteresis	± 5 %
Repeatability	<0,01 mm
Operational distance	1,62 mm
Standard object	12x12 mm
Weight	25 g
Thread type	M12 x 1 mm
Application	Common industrial areas ou Atmosferas com poeiras combustíveis

ORDERING DETAILS

Description	TE Part Number
PS2-12GI50-A2-V1_CE	**6000005411-SE**

Accessory: Injected cables - M12 Connectors

Part Number	Model	Mounting	Number of contacts	Electrical configuration	Number of wires
5000004847-SE	CF-V1R/2	Straight	4 contacts	DC	4 wires

Accessory: Controls - KMV Line

Part Number	Model	No channels	Application	Supply voltage	Power consumption
52920552-SE	KMV-100/110-220 Vac	Single channel	Source with relay to sensor	110Vac or 220Vac	1 VA at 110 Vca and 1.7 VA at 220 Vca

Accessory: Security - Connector Safety Lock

Part Number	Model	Function	Applicable to	Enclosure material	Marking
5000006962-SE	CP-V1-Ex	Safety lock	equipment with M12 connectors		

Accessory: Converter - PNP > NPN Singal Converter

Part Number	Model	Assembly	Number of contacts	Electrical configuration	Number of wires
5000009969-SE	CF-V190/2PU-PNP>NPN	90°	4 contacts	DC ? PNP/NPN	4 wire

Accessory: Bracket - Bracket for Tubular Sensors

Part Number	Model	Application	Material	Fixation

5000010247-SE	MS-12	assembly of M12 tubular sensors	304 stainless steel	through included M5x1 screws

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