



941 - D4V - 2D - 001 - 130E

Series 941 - D, Limit switch style, 3,500 mm [138.0 in] scan distance, Connector M12, 5 pin, two switching outputs PNP, teach in feature, IP67

Features

- ? Limit switch style sensor
- ? Plastic Housing
- ? Teach in
- ? Sealing to IP67
- ? M12 connector, 5 pin
- ? Synchronizing/hold input: To avoid mutual interference from several sensors, they are very simply synchronised by connecting their synchronizing/hold input (pin 4) together. If the measure needs to be stopped, connect the synchronizing/hold input to the ground; the output stays stable.
- ? Two switch point adjustment via teach in sequence
- ? Temperature compensation

Typical Applications

- ? Presence detection
- ? Applications with restricted space
- ? Slitter and rewinder machines
- ? Cranes
- ? Loop control

Description

The 941 - D Series are industrial controls that perform distance measurement by using an ultrasonic beam. They provide all high end sensor features in a limit switch style housing. The sensor may be mounted in applications where space is a premium. Maximum scan range is 3,5 m [11.48 ft]. The 941 - D comes with four output options; Analog (0 Vdc to 10 Vdc and 4 mA to 20 mA) and 2 PNP or 2 NPN switching outputs.

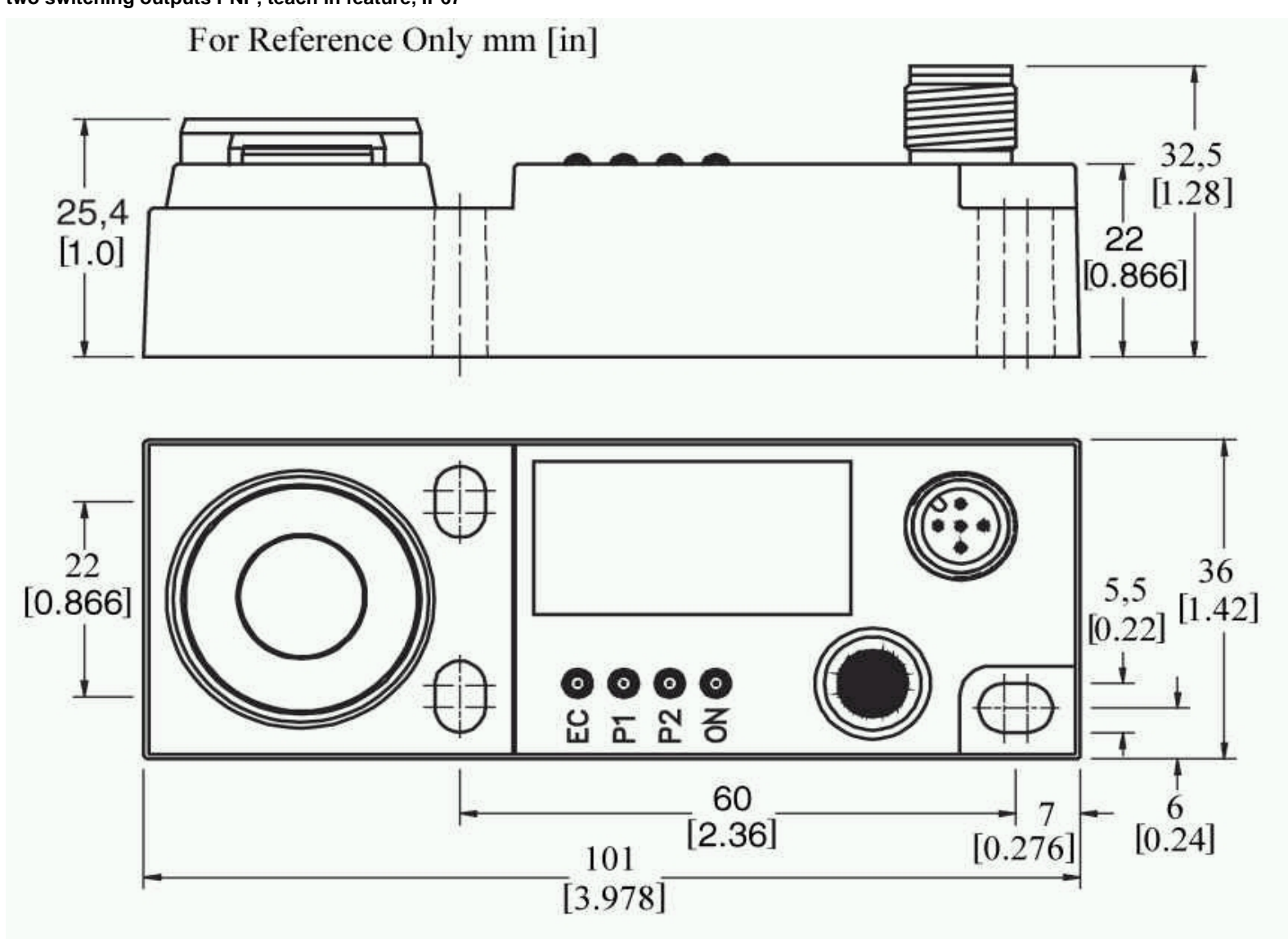
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Product Specifications	
Sensing Range	300 mm to 3,500 mm [12.0 in to 138.0 in]
Range Type	Long Range > 2,0 m [80.0 in] and up
Min. Sensing Distance of Test Target	300 mm [12.0 in]
Supply Voltage	12 Vdc to 30 Vdc
Beam Angle	8°
Oscillating Frequency	130 KHz
Integrated Temperature Compensation	Yes
Repeatability	± 0.2 %, ± 2,0 mm [0.079 in]
Output Type	Switching 2 x PNP
Switching Output Type	2 Outputs - Configure for Normally Open/Normally Closed
Max. Switching Frequency	2 Hz
Adjustment Method	Teach - in
Analog Output Slope Selection	Teach - in
Operating Temperature Range	- 15 °C to 70 °C [5 °F to 158 °F]
Storage Temperature	- 25 °C to 70 °C [- 13 °F to 158 °F]
Maximum Output Current	500 mA
Hysteresis	1 %
Indicators	4 LED
Memory	EEPROM (non - volatile)
Current Consumption	< 80 mA
Circuit Protection	Reverse Polarity, voltage spikes on supply and output lines, short circuit on switching output
Housing Style	Limit Switch style
Housing Material	Polyethylenterephthalat
Sealing	IP 67
Mounting	3 holes
Sensing Face Material	Epoxy
Termination Type	Connector
Connector Type	M12, 5 pin (female connector not included)
Availability	Global
Normally Open/Normally Closed selection	Teach - in
UNSPSC Code	41111926
UNSPSC Commodity	41111926 Proximity sensors
Series	941 - D series

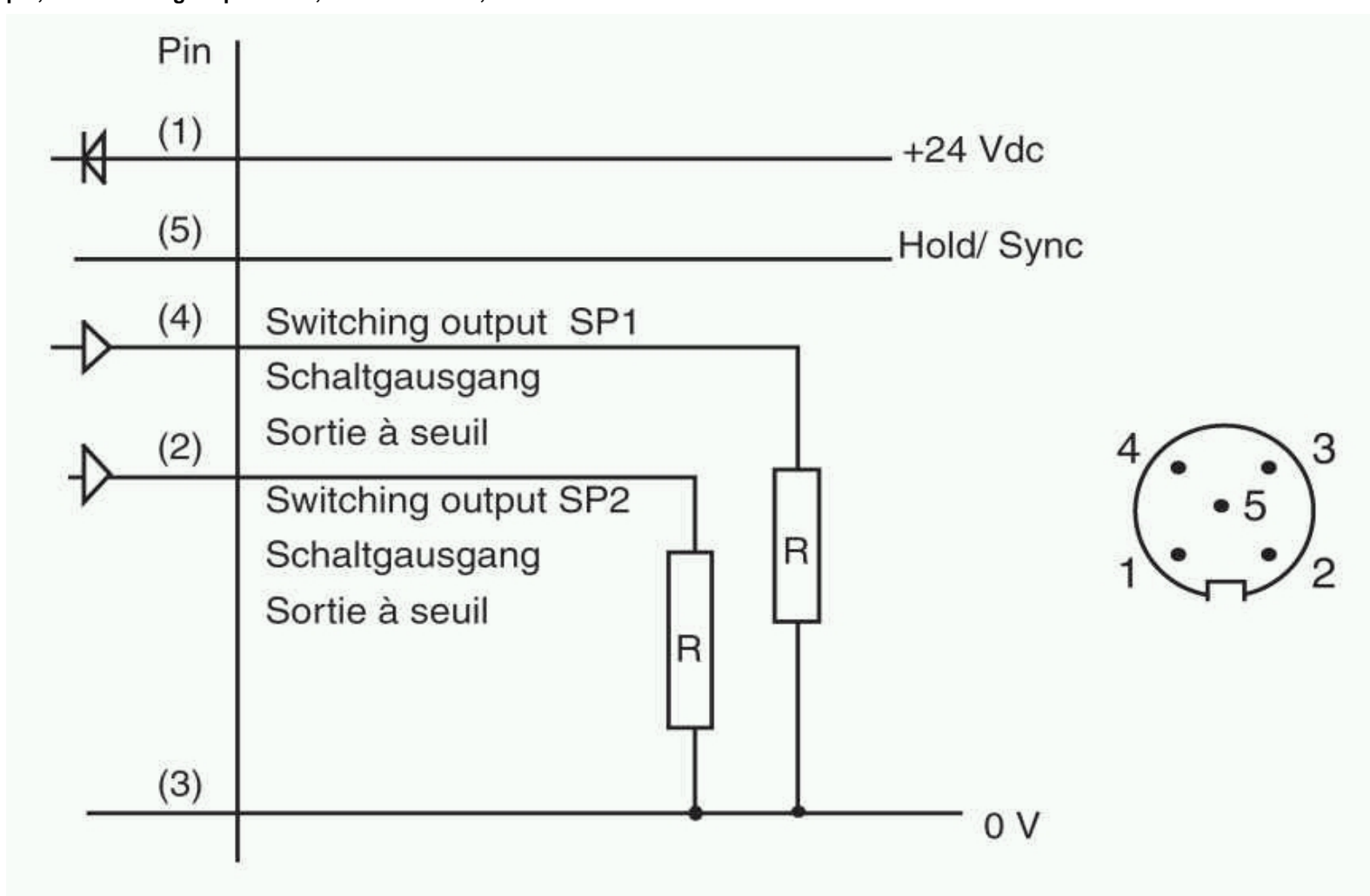
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WARNING
PERSONAL INJURY
 DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.
 Failure to comply with these instructions could result in death or serious injury.

WARNING
MISUSE OF DOCUMENTATION

- ? The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- ? Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.