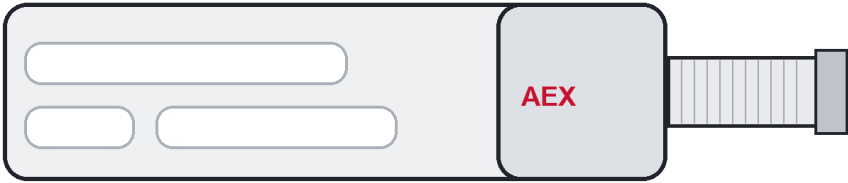


PRODUCT SHEET

Flowmeter Detection Sensor

AKYWKG-CC365-L

External magnetic switch for rotor and float flowmeter status detection.



FLOWMETER DETECTION SENSOR

The AKYWKG-CC365-L detects the position of a magnetic float through the outer wall of a compatible metal-tube or glass-tube rotor flowmeter. It provides a DC normally open switching signal for PLC monitoring of flow presence or a defined flow threshold.

0-27 mm RATED DISTANCE	12-30 VDC SUPPLY	IP67 PROTECTION	100 Hz FREQUENCY
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Features

 External magnetic float detection	 DC normally open output	 IP67 protection
 -40 to +125 C environment	 100 Hz switching frequency	 Slotted mounting adjustment

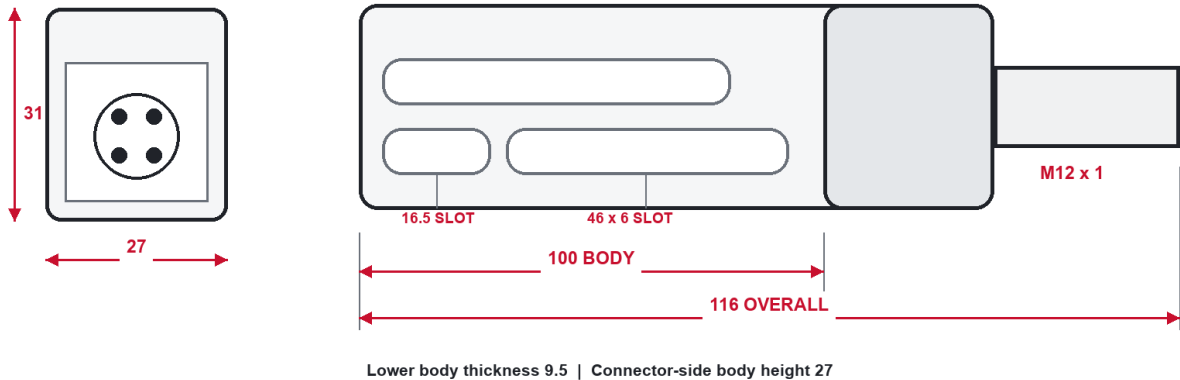
Specifications

Rated operating distance	Sn = 0-27 mm	Actual sensing distance	Sr = Sn +/-10%
Operating distance range	0 to 0.81 x Sn	Installation	Mounting slots
Electrical protection class	III	Repeatability	<5%
Temperature drift	<+/-10%	Hysteresis	<15% of Sr
Ambient temperature	-40 to +125 C	Supply voltage	12-30 VDC
Rated DC current	<0.5 A	Power	10 W
Rated insulation voltage	0.5 kV	Open-circuit/reverse-polarity protection	Provided
Output	DC normally open	Switching frequency	100 Hz
Housing material	Nylon	Sensing-face material	Nylon
Connection	M12 x 1 male, 4-position connector with 3 active conductors	Protection rating	IP67, DIN EN 60529
Vibration resistance	55 Hz, 1 mm	Shock resistance	30 g, 11 ms
Switching indicator	Yellow LED	EMC reference	EN 60947-5-2; EN 61000-4-2/3/4/6

Dimension Drawing

AKYWKG-CC365-L | DIMENSION DRAWING

All dimensions in millimetres.



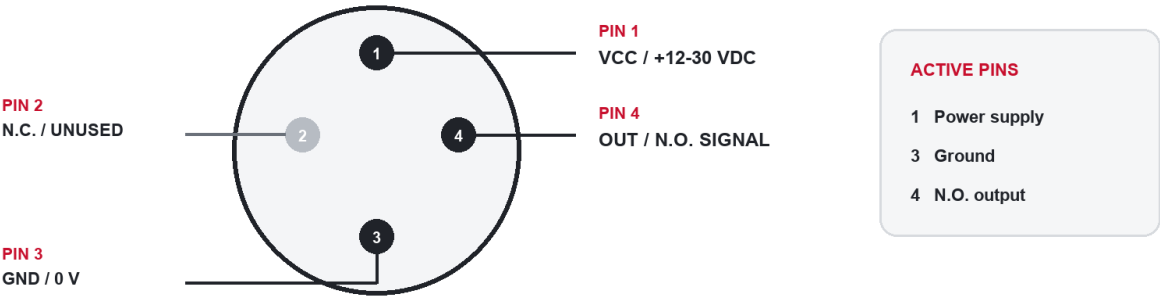
Key Dimensions

Body length	100 mm	Overall length	116 mm
Front width	27 mm	Overall height	31 mm
Lower body thickness	9.5 mm	Long mounting slot	46 x 6 mm
Short mounting slot	16.5 mm	Connector thread	M12 x 1

Wiring Diagram

CONNECTOR PIN ASSIGNMENT

Three-wire connection. Pin 2 is not connected.



Connection Reference

Pin 1	VCC	Pin 2	Not connected
Pin 3	GND	Pin 4	OUT

Typical Applications

Metal-tube rotor flowmeters | Glass-tube rotor flowmeters | Flow presence monitoring | Threshold alarm

Document Reference

Product ID PRD-SEN-0004 | Model AKYWKG-CC365-L

Source note: Three-wire connection: pins 1, 3 and 4 are active; pin 2 is unused.