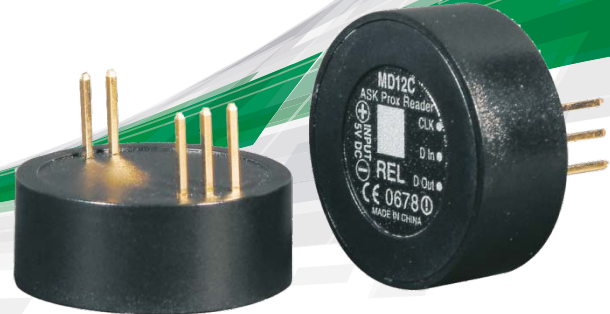


MD-12C/W

OEM Proximity Reader Module



MD-12C

Rosslare's MD-12C/W Proximity Reader Module is probably the world's smallest OEM Proximity Reader Module. Reliable and cost-effective, this unit uses Wiegand 26-bit or Clock & Data protocol and is designed for direct mounting on PCBs in a variety of RFID technology applications.

GENERAL DESCRIPTION

Measuring a mere 11 mm (0.43 in.) in radius with a height of 9.5 mm (0.37 in.), the MD-12C/W is the perfect miniature-sized proximity reader component. With probably the world's smallest footprint, it mounts directly onto PCBs. This reader is designed to integrate RFID technology into a variety of OEM products and applications. It is available in Clock & Data, Rosslare format protocol (MD-12C), and 26-Bit Wiegand format (MD-12W).

MAIN FEATURES

- Tiny footprint – 22 mm (0.43 in.) in diameter

- Small height – 9.5 mm (0.37 in.)
- Wiegand 26-Bit protocol (MD-12W)
- Clock & Data output Rosslare format (MD-12C)
- Direct mounting on PCB

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	4.5 to 5 VDC (from a linear type power supply)
■ Standby Input Current	36 mA
■ Proximity Card Reader	Maximum read range*: 50 mm (2 in.) Modulation: ASK at 125 kHz * Measured using Rosslare Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.

ENVIRONMENTAL SPECIFICATIONS

■ Operating Temperature	-31°C to 63°C (-25°F to 145°F)
■ Operating Humidity	0% to 95% (non-condensing)

OUTPUT FORMATS

■ Formats	MD-12C: Clock & Data MD-12W : Wiegand 26-Bit
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PHYSICAL SPECIFICATIONS

■ Dimensions	Radius: 11 mm (0.43 in.); depth 9.5 mm (0.37 in.)
■ Weight	5 g (0.18 oz)

SYSTEM COMPONENTS

The MD-12C/W is compatible with Rosslare's MD-08 Wiegand 26-Bit to RS-232 converter and proximity cards.

PRODUCT WARRANTY

5-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

www.rosslaresecurity.com



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