

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 a Rosslare proximity card 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 manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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