

ATEX proximity reader

Product reference:

RRA



Description and use

- ➔ transponder reader using 125 kHz (EM 4102, EM 4150, HITAG-1 and HITAG-2) or 13,56MHz (MIFARE) transponders
- ➔ Dedicated for use in harsh and hazardous areas up to ATEX zone 1 such as in chemical plants, gas filling stations, refinery, mining, onshore and offshore facilities
- ➔ Applicable to access control, tracking and electronic mustering solutions
- ➔ Master or slave mode, high availability with redundant architecture

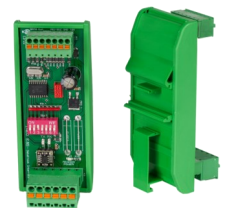
Technical specifications

Transponder types	EM 4102, EM 4150, HITAG-1, HITAG-2, MIFARE
Operating frequency	125KHz or 13.56 MHz
Maximum read distance	up to 50 mm (depending on transponder size)
LED display / Buzzer	red—green status LED / approx. 90dB
Antenna	integrated
Interface-Communication protocol	RS422, serial asynchronous, 9600 bauds, proprietary protocol (TIL V3.1)
Power supply	12V to 24V AC/DC
Consumption	I_{max} : 250mA — I_{typ} : 75mA
Dimension / weight	240 x 210 x 80 mm / approx 4.2 Kg
Operating temperature range	-20°C to +60°C
Housing	stainless steel (316L), IP66 enclosure, ATEX zone 1
ATEX protection	standards: EN/IEC 60079-0/7/11/18, EN/IEC 61241-0/1 Ex II 2 G Ex mb e ib IIC T4 / Ex II 2 D Ex tD A21 IP66 T135°C

Related products



ATEX passive RFID tags



Dataclock interface

