

ATEX passive RFID tags

Product reference:





WBT — wrist band tag
ITA — ISO card



Description and use

- ➔ 125 kHz and 13,56MHz 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

Technical specifications

Transponder types		
Ref WBT		EM 4102, EM 4150, HITAG-1, HITAG-2
Ref ITA		EM 4102, EM 4150, HITAG-1, HITAG-2, MIFARE, UHF
Operating frequency		
Ref WBT		125KHz
Ref ITA		125KHz, 13.56 MHz or UHF RFID technology
Antenna		integrated
Dimension—weight		
Ref WBT		diameter: 34,5 mm—bracelet: 270mm—approx 10 gr.
Ref ITA		ISO/CEI 7810 – ID-1: 85,60 × 53,98 mm
Color		
Ref WBT		Tag: black—bracelet: black, yellow, blue, red, green
Ref ITA		white
Operating temperature range		-20°C to +60°C
Housing		
Ref WBT		ABS—IP67—non-allergenic material
Ref ITA		ABS—IP68
ATEX protection		standards: EN/IEC 60079-0/11, EN/IEC 61241/0/11
Ref WBT		 II 2 G Ex ib IIC T4 /  II 2 D Ex ibD 21 IP67 T135°C
Ref ITA		 II 2 G Ex ib IIC T5 Gb /  II 2 D Ex ib IIIC T150°C Db

Related products



ATEX RFID reader



Industrial RFID reader



Desktop RFID reader

