Active RFid
Active radio-frequency identification

Wireless RFID Sensor

ITEMS DG
Ref. IDF0941
1 Digital Input or Pulse Counter

- 👁 **User-definable Tag's Identifier (RW)**

- 👁 **IP65 Waterproof**

- 👁 **Digital Input with pulse counter features.**

- 👁 **Very High Range : up to 150 meters** (open field)

- 👁 **Autonomy up to 10 years** (according to settings)

Technical Specifications	
Battery Power Supply	3.6 VDC
Frequency	433,92 MHz +/- 75 khz
Indicative Receiving Range	150 meters (open field)
Temperature range	-30°C to +70°C
Identifier Data Format	User-definable - RW (with SCIEL Prog tool)
G and In Inputs	Connected by dry contact
ID code Data Format	12 bits (High)
Digital Input or Counter Data Format	12 bits (Low)
Digital Operating Mode (configurable with SCIEL Prog)	Immediate emission of ID frame in the case of state change on the falling edge: ID+001 hexa or on the leading edge: ID+000 hexa
Counter Operating Mode (configurable with SCIEL Prog)	12bits(Low) incremented on leading edge– max value FFE hexa – Counter reset after FFE hexa or at each writing sequence with the SCIEL Prog tool
Pluggable Screw Connectors	Nc / G : Ground / In: Input for DIGITAL or Counter
Settings & Configuration	By SCIEL PROG IR tool and ERW configuration software
Reader's Compatibility	SCIEL Reader Family
Battery Level Management	Low Lever Battery's code : ID+FFF hexa (activation with SCIEL Prog tool) Note : this feature is always activated , whatever the setting selected by the ERW configuration software
Housing	ABS – 50x50x35 mm – IP65 – 2 internal mounting holes
Standards	EN 301 489 – 3 : 2002 V1.4.1 ; EN 300 220 – 2007 : V2.1.2 ; CE Mark ; RoHS Certified