

Wireless RFID sensors

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)
- 👁 Lifecycle: **up to 10 years** (according to settings)

TECHNICAL SPECIFICATIONS

Battery power supply	3.6 VDC
Frequency	433,92 MHz +/- 75 khz
Max. transmission range	150 meters (open field)
Operating temperature	-40°C to +70°C
Identifier data format	User-definable - RW (with SCIEL Prog tool)
G and 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 the leading edge max value FFE hexa – Counter reset after FFE hexa or at each wiring 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