PRODUCT DATASHEET

Confidex Captura™

Captura steps into an unprecedented level in both C1G2 tag security and usability; the tag is extremely easy and fast to attach

ELECTRICAL SPECIFICATION

Device type
Class 1 Generation 2 passive UHF RFID transponder
Air interface protocol
EPCGlobal Class1 Gen2 ISO 18000-6C
Operational frequency
Global 865 - 928 MHz
IC type
NXP UCODE G2XM
Memory configuration
EPC 240 bit; User 512 bit; TID 64 bit
EPC memory content
Unique number encoded as a default
Read range (2W ERP)*
EU (mounted on metal structure) up to 10 m / 33 ft
US (mounted on metal structure) up to 8 m / 26 ft
Applicable surface materials*
Metallic items

* Read ranges are theoretical values that are calculated for non-reflective environment, in where antennas with optimum directivity are used with maximum allowed operating power according to ETSI EN 302 208 (2W ERP). Different surface materials may have an effect on performance.

MECHANICAL SPECIFICATION

Encapsulation materials
High quality engineering plastics.
Weight
22 g
Delivery format
Single
Amount in box
500 pcs
Dimensions
57,5 x 19 x 20 mm / 2.26 x 0.75 x 0.79 in

After installation Delivery format

ENVIRONMENTAL RESISTANCE

Operating temperature
-30°C to +70°C / -22°F to +158°F
Ambient temperature
-30°C to +70°C /-22°F to +158°F
IP classification
IP67
Weather ability
Good, including UV-resistance and sea water
Chemical resistance
No physical or performance changes in:
- 168 hour Motor oil exposure
- 168 hour Salt water exposure (salinity 10%)
Expected lifetime
Years in normal operating conditions

Values in the table are the best recommendations; resistance against environmental conditions depends on the combination of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. Contact Confidex for more specific information.

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PERSONALIZATION OPTIONS

Pre-encoding

- Customer specific encoding of EPC or user memory. Locking permanently or with password.

Customized data label

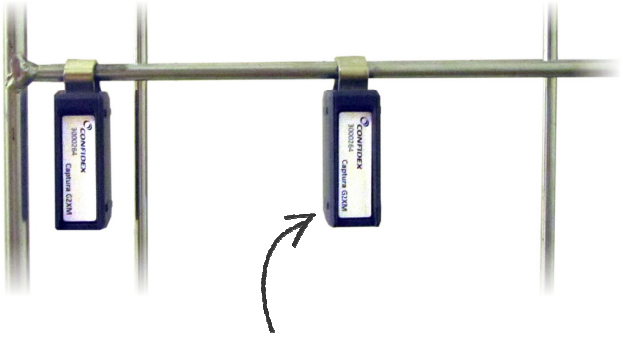
- Customer specific layout including logo, text, numbers, barcodes.

INSTALLATION INSTRUCTIONS

Polarization of Confidex Captura™ is depending on the attached item. Therefore it should be tested at the final application to gain the best performance.

Confidex Captura's patent pending design exploits the tagged object's metal for its performance.

- Tag's performance is only a fraction of the optimum performance if reading the tag with the hook open.
- The optimum performance will be achieved when the tag is installed onto a metal structure such as roll cage wiring. Select a location in a way that there's no metal on the sides of tag if possible.



If possible please choose a wider slot where to attach the tag instead of the narrow one.

Fixing procedure

1. Tag is delivered with hook open. Fix the tag on metallic item.
2. Close the hook by pressing it firmly, hook will snap and cannot be opened anymore without breaking the tag. Tag is now ready to be used.

ORDER INFORMATION

Product number: 3000264
Product name: Confidex Captura™ Global G2XM

For other versions, additional information and technical support contact Confidex Ltd.

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