CONFIDEX

PRODUCT DATASHEET

Confidex Casey™



Disposable high performing label for supply chain and logistics applications.

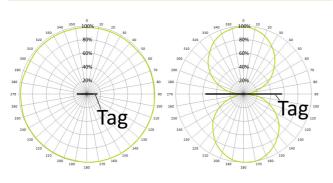
ELECTRICAL SPECIFICATION

Device Type UHF RFID / EPCglobal Gen2v2 Operational frequency Global 865-928MHz IC type Impinj® M730 Memory configuration EPC 128bit; TID 96 bit EPC memory content Unique number encoded as a default Read range (2W ERP)* On plastic up to 18 m / 60 ft On cardboard up to 18 m / 60 ft Applicable surface materials*

Non-metallic surfaces

* 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.

RADIATION PATTERNS



MECHANICAL SPECIFICATION

Tag materials

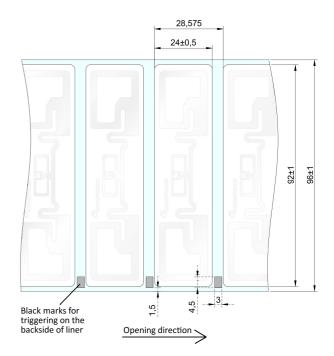
Printable white synthetic face layer, resin ribbon recommended.

Background adhesive

Permanent adhesive for general purpose use

Weight 0,6 g Delivery format 2000 pcs on reel Pitch on reel 28,575 mm / 1,125" Reel core inner diameter 76 mm / 3" Tag dimensions

92 x 24 x 0,2 mm / 3.62 x 0.94 x 0.01 in



ENVIRONMENTAL RESISTANCE

Operating temperature

-35°C to +85°C / -31°F to +185°F

Ambient temperature

-35°C to +85°C /-31°F to +185°F

Water resistance

IP68

Washing resistance

Industrial pressure washing not recommended **Chemical resistance**

No physical or porfo

- No physical or performance changes in:
- 168h Sulfuric acid (10%, pH 2) exposure
- 168h Motor oil exposure
- 24h Salt water (salinity 10%) exposure
- 2h NaOH (10%, pH 13) exposure
- 30min Acetone exposure

Storage condition

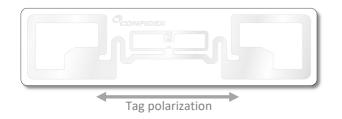
1 year in +20°C / 50% RH (shelf life for adhesive) **Expected lifetime**

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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INSTALLATION INSTRUCTIONS



Most recommended location for the Confidex Casey[™] label is in a position, where the structure of the identified item provides protection against mechanical stresses.

Ideal installation conditions are +20°C (+68°F) / 50% RH. For exceptional conditions, please contact Confidex. Bond strength can be improved with firm application pressure. Always ensure clean surface for obtaining the maximum bond strength.

During attachment to the identified item, please avoid touching the background adhesive. If the location on the asset needs to be changed, please use a new tag instead of re-placing the used one; the adhesion will suffer from the re-placement.

Minimum bending diameter of the Confidex CaseyTM is defined to be 50mm. Do not bend the label above the limit. Never touch on the location of the IC. IC chip is sensitive electrical component and can be damaged if unexpected pressure is applied on the chip.

PERSONALIZATION OPTIONS

Pre-encoding

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

Customized printing

• Customer specific layout including logo, text, numbers, barcodes etc.

ORDER INFORMATION

Product number: 3003911 Product name: Confidex Casey™ M730

For additional information and technical support contact Confidex Ltd.

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