

# PRODUCT DATASHEET

## Confidex Car Distribution Label™



RFID label with releasable adhesive optimized for car logistics.

### ELECTRICAL SPECIFICATION

#### Device type

UHF RFID / EPCglobal Gen2v2

#### Operational frequency

Global 860-960MHz

#### IC type

Impinj Monza 4E™

#### Memory configuration

With Monza 4E: EPC 496 bit; User 128 bit; TID 96 bit

#### Read range (2W ERP)\*

ETSI on glass up to 7 m / 22.9 ft

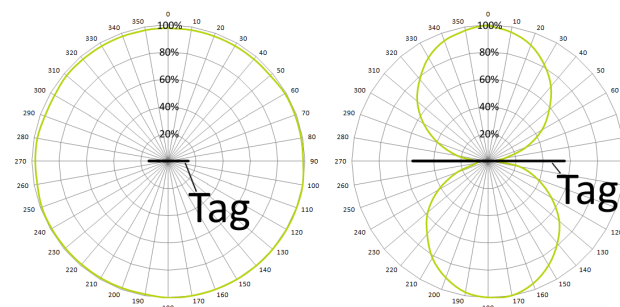
FCC on glass up to 5 m / 16.4 ft

#### 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). ETSI = 865 - 868 MHz, FCC = 902 - 928 MHz. 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

Releasable adhesive that leaves no residues after removed.

#### Weight

4 g

#### Delivery format

1000 pcs on reel

#### Pitch on reel

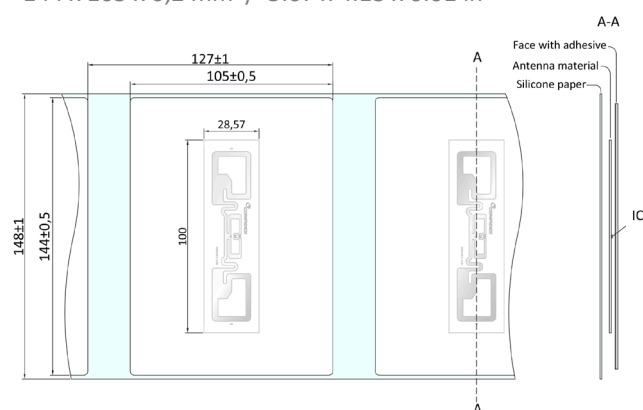
127 mm / 5"

#### Reel core inner diameter

76 mm / 3"

#### Tag dimensions

144 x 105 x 0,2 mm / 5.67 x 4.13 x 0.01 in



### ENVIRONMENTAL RESISTANCE

#### Operating temperature

-20°C to +80°C / -4°F to +176°F

#### Ambient temperature

-20°C to +80°C / -4°F to +176°F

#### Washing resistance

Industrial pressure washing not recommended

#### 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.

**PERSONALIZATION OPTIONS**

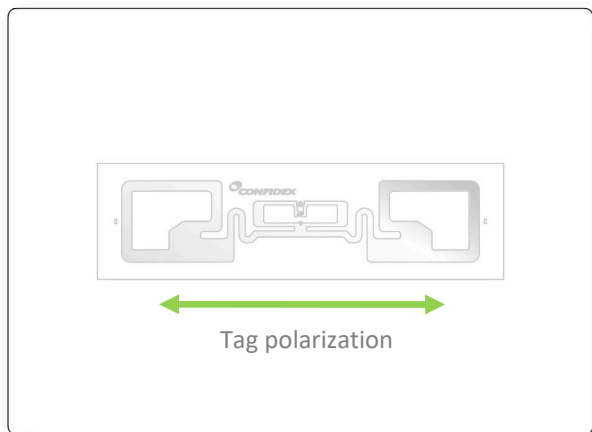
**Pre-encoding**

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

**Customized printing**

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

**INSTALLATION INSTRUCTIONS**



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.

Installation below +5°C / +41°F is not recommended.

During attachment to the identified item, please avoid touching the background adhesive. Minimum bending diameter of the Confidex Car Distribution Label™ is defined to be 50mm. Do not bend the label above the limit. Never touch on the IC location. IC is a sensitive electrical component and can be damaged if unexpected pressure is applied on it.

**ORDER INFORMATION**

**Product number:** 3003231

**Product name:** Confidex Car Distribution Label™ M4E

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

**DISCLAIMER**

THE MATERIALS, PRODUCTS AND SERVICES ARE SOLD SUBJECT TO ITS STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, CONFIDEX MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN CONFIDEX STANDARD CONDITIONS OF SALE, CONFIDEX AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Confidex products, materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished systems incorporating Confidex products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Confidex.