PRODUCT DATASHEET

Confidex Silverline Slim II™

On metal RFID label with excellent performance on various surfaces combined with narrow form factor

ELECTRICAL SPECIFICATION

Device type
- Class 1 Generation 2 passive UHF RFID transponder

Air interface protocol
- EPCGlobal Class1 Gen2 ISO 18000-6C

Operational frequency
- ETSI: 865 - 869 MHz
- FCC: 902 - 928 MHz

IC type
- Impinj Monza R6-P™

Memory configuration
- EPC 96/128 bit; User 32/64 bit; TID 96 bit

EPC memory content
- Unique random 96bit EPC in every label

Read range (2W ERP)*

ETS
- On metal up to 7 m / 23 ft
- On plastic up to 4 m / 13 ft
- On liquid up to 4 m / 13 ft

FCC
- On metal up to 7 m / 23 ft
- On plastic up to 8 m / 26 ft
- On liquid up to 2 m / 7 ft

Applicable surface materials*
- Optimized for metal but works on any surface

Attachment on curved surface*
- Label can be attached on a curved surface. Check installation instructions for more details.

* Read ranges are theoretical values that are calculated for non-reflective environment. Different surface materials may have an effect on performance.

MECHANICAL SPECIFICATION

Label surface
- Printable white PET, Zebra 5095 resin ribbon recommended

Background adhesive
- High performance acrylic adhesive optimized for metal and painted metal surfaces

Weight
- 0.7 g

Delivery format
- 600 pcs good labels on reel, bad ones marked with “XXX” printing.

Pitch on reel
- 25.4 mm / 1”

Reel core inner diameter
- 76 mm / 3”

Tag dimensions
- 100 x 13 x 1.3 mm / 3.94 x 0.51 x 0.05”

PRINTER COMPATIBILITY

The Confidex Silverline family is designed and verified to work with the Custom Zebra ZT410 RFID Silverline and ZT411 On Metal printers. Other Zebra printers are not recommended or supported. Contact your Authorized Zebra Reseller for ordering information.

Set-up instructions and printer configurations specifically for Silverline tags and the compliant printers are available on Zebra.com or by contacting Zebra Technical Support.
Operating temperature
-35°C to +85°C / -31°F to +185°F

Peak temperature
+110°C / 230°F for 10min

Water resistance
IP68, tested for 5 hours in 1m deep water

Washing resistance
Tolerates industrial washing with standard solvents. Washing durability is recommended to be tested in the final application.

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

Printing durability is recommended to be tested in the final application.

Storage condition
1 year in +20°C / 50% RH

Environmental values are the best recommendations; resistance against different 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.

ORDER INFORMATION

Zebra part number: 10026765
Product name: Confidex Silverline Slim II™ MR6-P ETSI

Zebra part number: 10026766
Product name: Confidex Silverline Slim II™ MR6-P FCC

For additional information and technical support, please contact your Authorized Zebra Reseller or Zebra Technical Support.

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