

Product Datasheet

BEONTAG EKANBAN SLC



Description

Single label for Small Load Carrier (SLC) compliant with VDA recommendations 4994 and 5501.



Electrical specifications

Device type

UHF RFID / EPCglobal Gen2v2

Operational frequency

Global 860-928MHz

IC type

Impinj Monza 4E

Memory configuration

EPC 496 bit; User 128 bit; TID 96 bit

Read range (2W ERP)*

ETSI and FCC: up to 6 meters on plastic

Applicable surface materials*

Plug-in label for plastic load carriers, also compliant with ESD variants.

* 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.



Mechanical specifications

Tag materials

Thermal transfer printable paper face layer, high performance wax/resin ribbon recommended. Face color yellow pantone 100 C. Perforation and trigger notch between labels. No adhesive behind the label (non-permanent lug-in/pocket variant)

Delivery format

On reel, 600 pcs/reel

Pitch on reel (nominal)

208 mm / 8.19"

Reel core inner diameter

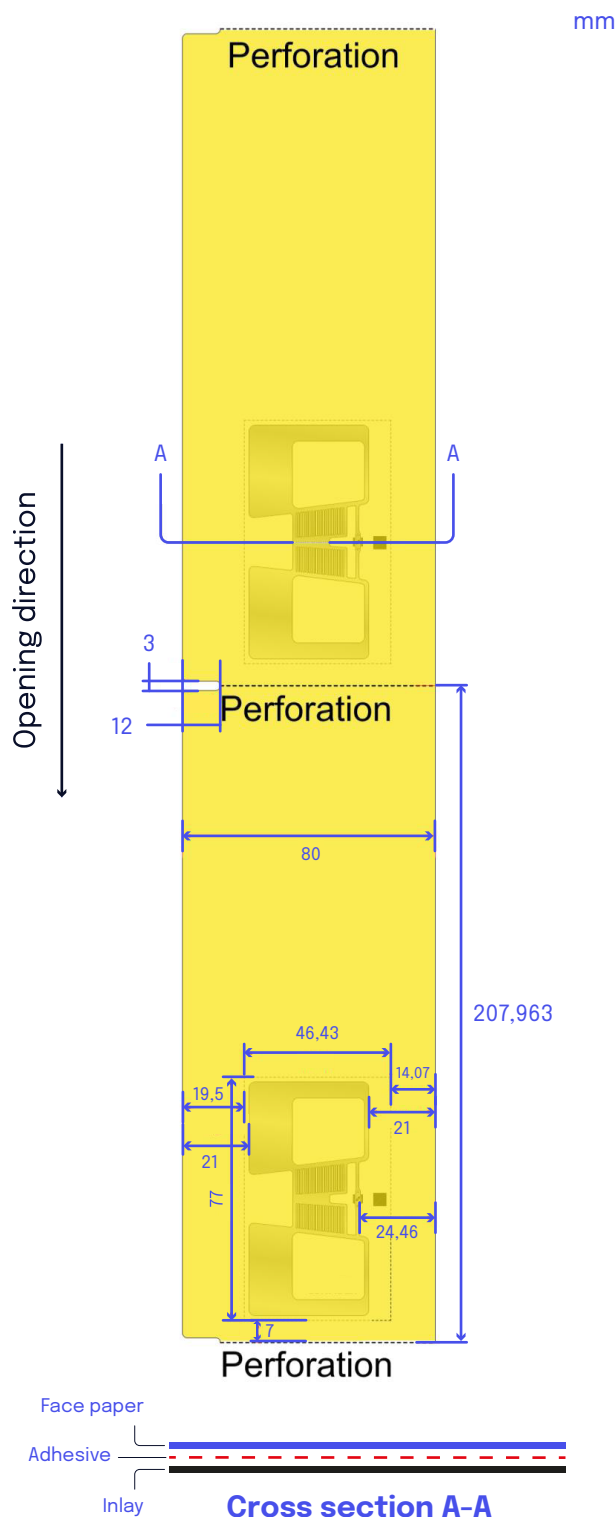
76.2 mm / 3"

Bad label marking

Non-functional labels are marked with "XXX".

Label dimensions

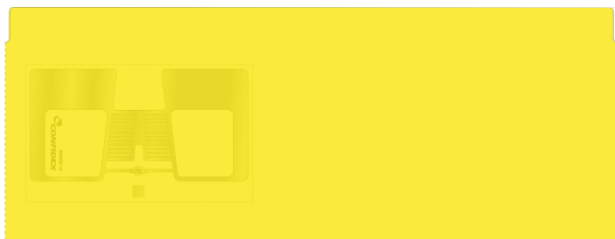
208 mm x 80 mm x 0.2 mm / 8.19" x 3.15" x 0.01"





Installation instructions

Tag polarization



The label is delivered with no adhesive on the backside, so additional adhesive or plastic pockets are required for label attachment.

Minimum bending diameter of label 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. Beontag offers also data encryption when required.

Customized specific visual printing

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



Environmental resistance

Operating temperature

-35°C to +85°C / -31°F to +185°F

Peak operating temperature

+85°C / 185°F for 6 hours

Ambient temperature

-20°C to +70°C / -4°F to 158°F

Storage condition

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

Expected lifetime

Meant for short term use, in normal operating conditions lifetime can be years

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 Beontag for more specific information.



Order informations

Product number: **3001985**

Product Name: **Beontag eKanban SLC**

For other versions, additional information and technical support please contact Beontag.

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About Beontag

From the science of graphic and label materials, RFID and wireless IoT enablers, we create solutions across the value chain to deliver digital transformation for businesses around the world.

Sustainability is at the core of what we do and we strongly believe that by substituting non-renewable materials and innovating through more sustainable and renewable products, we act as an ESG enabler for our customers' value chain.

Beontag is one of the world's leading providers of RFID and wireless IoT solutions, being present in more than 40 countries with 7 R&D centers and 2,000 employees, in constant development of technological and sustainable solutions designed to connect items, and gain efficiency and end-to-end traceability

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