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Released:

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1 Scope and Objective

This standard describes the scope and requirement of component identification used for all production parts that are delivered to Broetje-Automation.

Bought-in and standard parts which remain unchanged are not affected by this.

The purpose of this standard is to ensure a quick and reliable identification of production parts.

It is not possible to execute incoming goods inspection without correct component identification.

2 Marking requirements

- For the position of the marking refer to the drawing. If no position is specified, the manufacturer can choose a position in observance of this standard.
- The type of marking depends on the surface quality of the spot to be marked on the part.
- The marking must be durable. This means that the shelf life of the marking must be correspond to the product life cycle of the part.
- In general the marking must not affect the functionality of the part.
- Markings must be clean and clearly readable on the final surface
- Markings must not lead to formation of rust or other oxidation of surfaces.
- Unless stated otherwise in the drawing, marking of parts can either be raised, sunken or even (e.g. molded, engraved, etched, laser engraved...)
- In general the use of adhesive labels is permitted. It has to be taken into account that the labelling must be tamper-proof and clearly readable until it reaches the end of the product life cycle.
- If adhesive labels are used, it must not become removable in a damp or oily environment.
- The Basic color of the labels must not differ from the part color (transparent background).

2.1 Font and font size

The font size must correspond to the specified size in the drawing. If there is no font size specified or if it's not possible to use the specified font size, a suitable font size that fits on the part is to be chosen.

The font type is not specified.

It is recommended to use a legible font type similar to DIN 1450.

2.2 Content of labelling

All parts are to be marked as described in the drawing (drawing no. / revision index)

- XXX.XXX.XXX/YY

On parts with inspection dimensions an additional serial number is required. It consists of current date and a consecutive number

- YYMMDD/XX (labeled as JJMMTT/XX on the drawing)

Regarding the date as part of the serial number, an appropriate point in time that is adjusted to the production process should be chosen.

Measurement reports must contain current date, signature and serial number. The unambiguous allocation of measurement report and part must be possible and ensured at all times.

3 Examples

In the following a few examples for permitted labeling:

