

# COMPONENT MARKERS 43291

## for Siemens Sirius

MG-SPM markers are available in versions to suit the particular clip formats of the most widely used contactors, relays, drives, valves and other panel mounting components.

MG-SPM-02 is particularly designed to suit Siemens Sirius component.

MG-SPM-03 is particularly designed to suit Siemens Sirius and Kloverner Moller components.



LABORATORY TEST 

### **CEI EN 60950-1**

#### **INDELIBILITY**

#### **Information technology equipment - Safety**

*Part 1: General requirements*

*§ 1.7.11 Durability*

Compliance is checked by inspection and by rubbing the marking by hand for 15 s with a piece of cloth soaked with water and again for 15 s with a piece of cloth soaked with hexane.

After this test, the marking shall be legible; it shall not be possible to remove marking plates easily and they shall show no curling.

### **CEI EN 61010-1**

#### **INDELIBILITY**

**Ed.2 equivalent to VDE 0411-1**

#### **Safety indications for electric devices for measurement, control and laboratory use**

*Part 1: General indications*

This regulation requires that both material and the print shall withstand, cleaning with chemical agents commonly used in industry.

By rubbing manually by hand, without excessive pressure, for 30 seconds with a cloth soaked in the specific detergent or, if not specified, Isopropyl Alcohol.

### **CEMBRE STANDARD**

#### **INDELIBILITY**

This test was created to simulate cleaning with chemical products commonly used on various surfaces.

By wiping with a cloth soaked in 95% Ethanol 30 times and making a visual inspection after every 10 passes.

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## **UNI EN ISO 175**

### **EFFECT OF IMMERSION IN LIQUID CHEMICALS**

The standard specifies methods for exposing plastic test samples to liquid chemical agents and for determining changes in characteristics caused by this exposure. It includes the immersion test for 24 hours of the entire surface of the test sample and applies to all solid plastic materials, submitted in the form of printed or extruded materials, plates, pipes, bars or sheets with a thickness greater than 0.1 mm.

The test samples are completely immersed in a test liquid for a specified time and temperature.

Their characteristics are determined before immersion, after removal from the liquid and after drying.

The test methods specified are the following:

- > Changes in mass, dimensions and appearance, immediately after removal from the liquid and after drying
- > Change in the physical characteristics (mechanical, thermal, optical, etc.) immediately after removal from the liquid and after drying
- > The quantity of liquid absorbed

The liquids used by Cembre for this test are: Hydrochloric acid, Nitric acid, Hydrofluoric acid

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## *Technical characteristics*

### PROPERTIES

Colour	White
Height	7 mm
Width	20 mm
Quantity per sheet	12
Min. pack qty	360
SWcode	142
Material	Polycarbonate
UL94 class	V0
Halogen Free	yes
Silicon free	yes
Min operating temperature range	-40 °C
Max operating temperature range	130 °C



# COMPONENT MARKERS 43291

## *Products used together*

### Printers

Thermal transfer printer MARKINGenius MG3 - Thermal transfer printer MARKINGenius®MG3

### Support template

TEMPLATE MG2-PSP - 991018

### Components

ABB - ABB AF

Siemens - Siemens Sirius

## *Products used to print on it*

### Ink

#### MONOCHROME RIBBONS MG2-ETR

Black 991600

Blue 991601

Green 991603

Red 991602

Silver 991607

White 991606

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Thermal transfer printer MARKINGenius MG3 - Thermal transfer printer MARKINGenius®MG3