

# Systemised marking

## Metal markers in aluminium and stainless steel

Industrial marking systems



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# Systemised marking

## Additional brochures

**You can order other brochures from the systemised marking series, on the following topics:**



Software M-Print® PRO, order number: 1366470000



Marker variety, order number: 1363670000

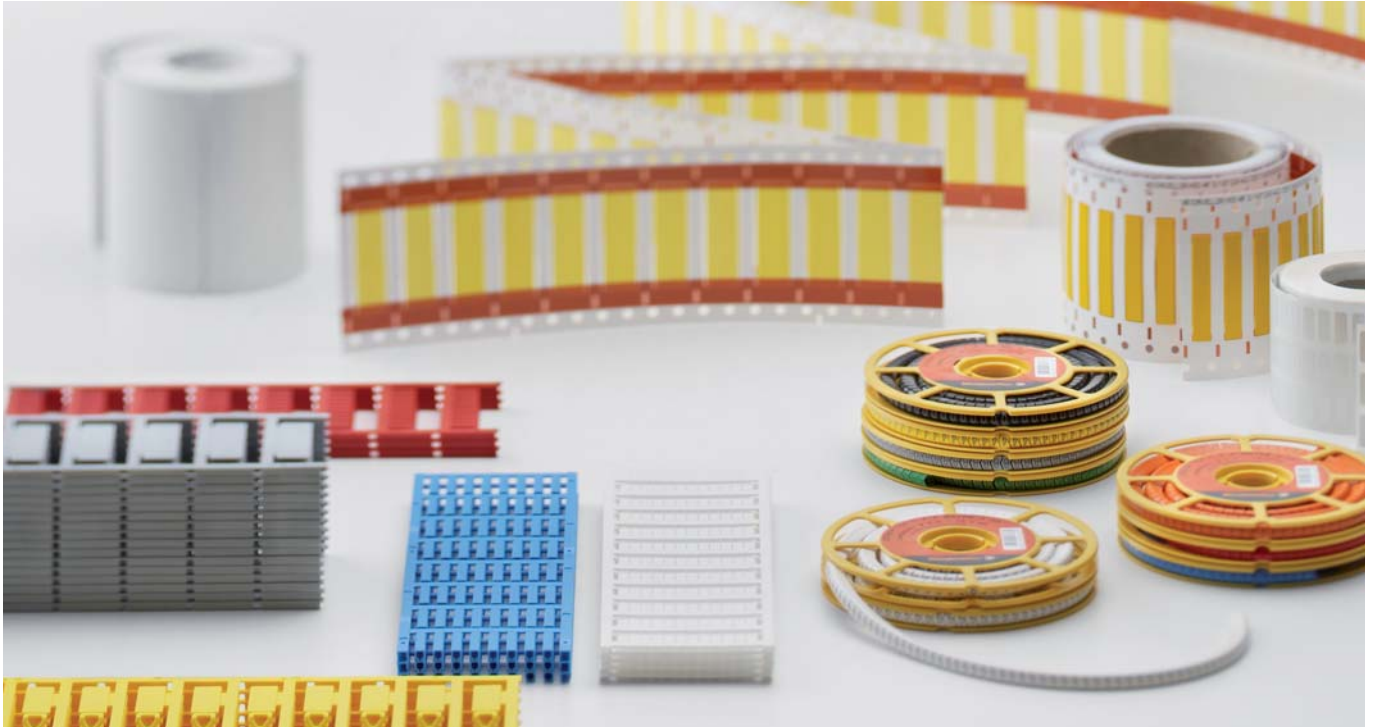


MultiCard, order number: 1363650000



Industrial printers, order number: 1363630000

## Systemised marking for optimised processes



The labelling and markers within an industrial facility must be professional and standardised: this is a basic requirement for operating the facility safely and correctly and in line with IEC 60204-1:2005. Weidmüller offers systemised marking which provides you with a custom-tailored line of products that can optimise your work flow.

There are over 200 different versions in our range of MultiCard markers, shrink sleeves, labels and customer-specific solutions - this leaves nothing to be desired.

### **A total system for accurate labelling all around the electrical cabinet**

Weidmüller has developed a concept including software, markers and printers: importing CAE files, selecting and designing application-compatible markers, and output via the appropriate printer is child's play.

Planning, designing, selecting, ordering, printing and handling are included in this total system which Weidmüller has developed over the past few decades. The result is that you always have the appropriate marking solution for every product all around the electrical cabinet; this gives you more safety in your industrial installations.



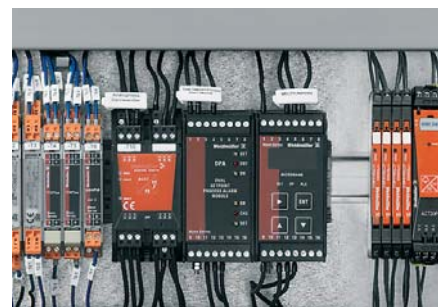
### Easily imported CAE files ...

Weidmüller's M-Print® PRO printing software can easily import the labelling data from your planning software.



### ... your choice of the best markers and printing systems ...

Our labelling materials provide solutions for any use in and around the electrical cabinet. We also offer the right printer for each job.



### ... delivering perfection for your electrical cabinet ...

Clear labelling also simplifies your service and maintenance tasks – so that faults can be pinpointed and repaired promptly.

### ... with Weidmüller's systemised markers.

## A unique, complete system



### Software

The M-Print® PRO software makes importing, editing and managing files easy.

Our M-Print® PRO software features:

- Interface routines for planning software
- Flexible design options
- A simple process for ordering markers

### Markers

A wide range of different markers for many applications

We offer:

- Terminal markers
- Wire markers
- Device markers

### Printers

Several different industrial printing systems to fit your requirements

We offer:

- Ink-jet printers
- Plotters
- Thermal-transfer printers

# MetalliCard

## Metal markers

### A highly resistant and coordinated labelling system

Up until recently, ovens or similar equipment were required for labelling metal markers. With our new MetalliCard, we are now able to offer an innovative customised labelling system that allows you to print on aluminium or stainless steel tags, as well as our standard MultiCard plastic markers. This is an extremely versatile solution for labelling in the electrical cabinet: with just one printer, one software program and one type of ink. You no longer need to hire an external agency for expensive and time-consuming engraving or punch-outs.

This complete system is very customisable – our M-Print® software can be used to create your custom marker layouts. You save an enormous amount of time with the smooth data transfer from your CAE system.

### Our labelling system provides you with these benefits

- One system for everything: MultiCards and MetalliCards in one application
- All components in a single system – regardless of external providers
- Customised design: Coloured printing on metal tags
- Optimised use of resources and up-to-date: as needed with direct use



Our update kit for the PrintJet Pro allows you to print on MetalliCards with the same ink.

Format templates are available for our entire line of markers so you can design them rapidly in-house.

The MetalliCard tags are ready to use in just a few minutes after a brief pre-treatment with primer and thermal fusing.



## Function and handling

### Perfect colour print in just a few steps

#### The right system for fast results

Our perfectly matched system components enable you to act quickly and confidently. From the custom design using our M-Print®-PRO software all the way to the finished printed product: it only takes a few steps to produce high-quality, resistant printed tags on aluminium or stainless steel.

After removing the protective foil and a short surface pre-treatment, the MetalliCards are put into a special inlay and can then be printed as you wish.

Within a few minutes, the printed MetalliCard is ready for use: with first-class quality and your custom design.

#### The advantages of our printing process

- A trouble-free printing with perfectly matched system components
- Intuitive user interface for routine operations
- High-precision colour printing in only minutes



An easy-to-remove foil is used to protect the surface, which is specially designed for the resistant colour print.



Immediately prior to the printing process, a primer treatment ensures optimal colouring, intense colour saturation, and faster curing – with high resistance.



The inlay guide for one or more MetalliCards ensures precise positioning and printing.



## The complete product line

### Tailored to your needs

#### Components that combine well together – from a single source

MetalliCards are available in aluminium or stainless steel so that they can comply with a wider range of labelling requirements. The tags, made from chromal-coated aluminium, offer an affordable alternative for many applications. They really get noted for the deep contrasts of their multi-colour print.

In the technically demanding chemical and process industries, our stainless steel MetalliCard – with its outstanding resistance – is an investment in safety. Formats range in size from 27 x 18 to 85 x 54 mm: suitable for the entire spectrum of facility labelling requirements, from small equipment to larger ratings plates. You can be assured of a high-quality marking process using these tags. The MetalliCard line offers a range of outstanding installation features. They can be used anywhere: whether glued, riveted, attached with plate holder or by rail, or in combination with stainless steel cable ties.

#### Our product line provides you with these benefits

- First-class: a sophisticated product line for all application requirements
- Resistant: durable markers for improved safety
- Versatile: excellent installation features



The MetalliCard is available optionally with either 2 or 4 holes for screws or rivets. A special punched-out hole in the SFX-M 11/60 enables use with steel cable ties.



Our double-sided adhesive labels in all MetalliCard formats guarantee a secure hold on plastic, stainless steel or powder-coated sheet metal.



Plate holders and tag rails provide you with excellent versatility and ease of installation. They are available in various versions for the entire range of marking needs.

**Weidmüller**   Year **2011**

Type  498  **11738**

Machine No.

Power supply  **3 x 380V 50HZ 100A**

Machine supply  **3 x 400V 50HZ**

Weidmüller Interface GmbH & Co. KG  
Klingenbergstr. 16, D-32758 Detmold



# Tests and inspections

## Reliable industrial marking

### Tested quality is our standard

Because of their outstanding mechanical characteristics, metal tags are perfect for labelling facilities exposed to harsh industrial conditions. Superior resistance is particularly important when dealing with higher temperatures, climatic influences, UV radiation and harsh chemical or physical influences. This is why we test our MetalliCards in various processes. We can also carry out these tests to suit your individual requirements. Take advantage of our professional expertise to improve your safety.

### The benefits for you

- Durability: tested resistance for permanent durability
- Safety: tested material properties for intact labelling
- Stainless steel tested under thermal load according to IEC 60079-0-26.8
- Aluminium tested in ammonia gas atmosphere according to UL 486E



The MetalliCard's resistance was tested using various wipe tests according to DIN EN 60068-2-70 and passed the testing successfully for 48 hours using different materials (including acetone, ethyl alcohol, 34% urea and fuel).



The sun test results for Central Europe show that the MetalliCard is resistant against UV radiation for at least five years.



The MetalliCard had excellent results in the temperature, air and sea tests, and showed total resistance to high pressure cleaning: further proof of its suitability for a wide range of applications.

- IEC 61984/10.2011
- DIN 40050 part 2/05.1993
- DIN EN ISO 9227/10.2006

Weidmüller is not liable for the suitability of the products in all customer applications, due to the sheer number of possible applications and possible environmental factors (such as humidity, radiation, gases or temperature) that may influence these products. Therefore the customer is responsible for carrying out performance tests for specific applications. Weidmüller would be happy to provide support and advice to help you with these decisions.

Due to the different identification system available on the market, we wish to point out that Weidmüller does not guarantee industrial identification products if the Weidmüller components are combined with third-party products, unless Weidmüller has explicitly agreed for the purpose of an individual application.



# Individual processing

## The professional system for every standard

### Superior components in a comprehensive product line

Our labelling system allows you to label with precision and speed – without losing track. Our completely matched line of materials, sizes and mounting options cover solutions for all of your particular operational needs.

The systematic use of our PrintJet, M-Print® PRO and update kit enables you to custom design and process facility labelling for all of your system components. The result is a consistently outstanding marking system.

### The benefits for you

- Quality: durable materials for extreme conditions
- Customised: perfectly matched system components provide the best variety
- Efficient: tailor-made solutions from a single source
- Professional: in-house control of all marking processes

### Technical specifications

|                   | Description                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag material      | anodised aluminium (AL) or stainless steel 1.4301 (ST)                                                                                                                                                                                                                         |
| Temperature range | between -55 °C and +130 °C                                                                                                                                                                                                                                                     |
| Thick             | 0,5 mm                                                                                                                                                                                                                                                                         |
| Primer            | 100 impregnated cloths and hermetically sealed                                                                                                                                                                                                                                 |
| Update kit        | CD with firmware and configuration data for MetalliCard, programming device, USB cable, multilingual manual, inlay CC-M 85/54, 10 pieces of CC-M 85/54 AL<br><br>Available for PrintJet PROs, from delivery date July 2010, with serial number 3653 (last 4 digits) and higher |
| Service kit       | Update Kit + : requires mechanical update on the PrintJet PRO. The printer should be returned.<br><br>PrintJet PROs with serial number lower than 3653 (last 4 digits)                                                                                                         |



Update kit / Service kit: The PrintJet PRO's firmware ensures that MetalliCards are processed properly.



Precise colour printing across multiple tags of the same type – thanks to an inlay-secured printing process.

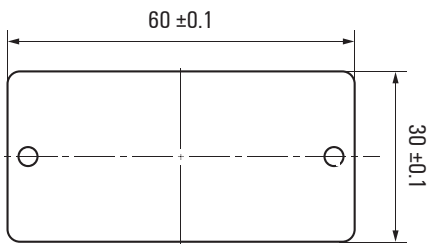


The universal inlay is designed to accept eight different tag types and is particularly suitable for printing small batch jobs.



### Type description

| Type              | Description          |
|-------------------|----------------------|
| CC-M 30/60 2x3 AL | ClipCard             |
| CC-M 30/60 2x3 AL | MetalliCard          |
| CC-M 30/60 2x3 AL | 30 mm wide           |
| CC-M 30/60 2x3 AL | 60 mm high           |
| CC-M 30/60 2x3 AL | 2 holes              |
| CC-M 30/60 2x3 AL | 3.3 mm hole diameter |
| CC-M 30/60 2x3 AL | Aluminium            |
| CC-M 30/60 2x3 ST | Stainless steel      |



### Tags

| Type              | Size       | Holes              | Mat.No.    | QTY |
|-------------------|------------|--------------------|------------|-----|
| CC-M 85/54 AL     | 85 x 54 mm | -                  | 1327600000 | 40  |
| CC-M 85/54 ST     | 85 x 54 mm | -                  | 1327620000 | 40  |
| CC-M 27/18 AL     | 27 x 18 mm | -                  | 1327630000 | 200 |
| CC-M 27/18 ST     | 27 x 18 mm | -                  | 1327640000 | 200 |
| CC-M 85/27 AL     | 85 x 27 mm | -                  | 1327650000 | 80  |
| CC-M 85/27 ST     | 85 x 27 mm | -                  | 1327670000 | 80  |
| CC-M 30/60 AL     | 30 x 60 mm | -                  | 1327680000 | 100 |
| CC-M 30/60 ST     | 30 x 60 mm | -                  | 1327690000 | 100 |
| CC-M 15/60 AL     | 15 x 60 mm | -                  | 1327700000 | 200 |
| CC-M 15/60 ST     | 15 x 60 mm | -                  | 1327720000 | 200 |
| CC-M 15/45 AL     | 15 x 45 mm | -                  | 1327730000 | 200 |
| CC-M 15/45 ST     | 15 x 45 mm | -                  | 1327740000 | 200 |
| CC-M DIA 30 AL    | ø 30 mm    | 4.2 mm (single)    | 1327750000 | 200 |
| CC-M DIA 30 ST    | ø 30 mm    | 4.2 mm (single)    | 1327770000 | 200 |
| SFX-M 11/60 AL    | 11 x 60 mm | -                  | 1327780000 | 50  |
| SFX-M 11/60 ST    | 11 x 60 mm | -                  | 1327790000 | 50  |
| CC-M 85/54 4X3 AL | 85 x 54 mm | 3.3 mm (quadruple) | 1327800000 | 40  |
| CC-M 85/54 4X3 ST | 85 x 54 mm | 3.3 mm (quadruple) | 1327820000 | 40  |
| CC-M 85/27 2X3 AL | 85 x 27 mm | 3.3 mm (double)    | 1327830000 | 80  |
| CC-M 85/27 2X3 ST | 85 x 27 mm | 3.3 mm (double)    | 1327840000 | 80  |
| CC-M 30/60 2X3 AL | 30 x 60 mm | 3.3 mm (double)    | 1327850000 | 100 |
| CC-M 30/60 2X3 ST | 30 x 60 mm | 3.3 mm (double)    | 1327870000 | 100 |
| CC-M 15/60 2X3 AL | 15 x 60 mm | 3.3 mm (double)    | 1327880000 | 200 |
| CC-M 15/60 2X3 ST | 15 x 60 mm | 3.3 mm (double)    | 1327890000 | 200 |
| CC-M 15/45 2X3 AL | 15 x 45 mm | 3.3 mm (double)    | 1327900000 | 200 |
| CC-M 15/45 2X3 ST | 15 x 45 mm | 3.3 mm (double)    | 1327920000 | 200 |

### Inlay

| Type                 | Mat.No.    | QTY |
|----------------------|------------|-----|
| INLAY CC-M 85/54     | 1341030000 | 1   |
| INLAY CC-M 27/18     | 1341040000 | 1   |
| INLAY CC-M 85/27     | 1341050000 | 1   |
| INLAY CC-M 30/60     | 1341070000 | 1   |
| INLAY CC-M 15/60     | 1341080000 | 1   |
| INLAY CC-M 15/45     | 1341090000 | 1   |
| INLAY CC-M DIA 30    | 1341100000 | 1   |
| INLAY SFX-M 11/60    | 1341110000 | 1   |
| INLAY CC-M UNIVERSAL | 1341120000 | 1   |

### Double-sided self-adhesive labels

| Type          | Mat.No.    | QTY |
|---------------|------------|-----|
| DKB CC 85/54  | 1175850000 | 100 |
| DKB CC 85/27  | 1226620000 | 100 |
| DKB CC 30/60  | 1341130000 | 100 |
| DKB CC 27/18  | 1341140000 | 320 |
| DKB CC 15/60  | 1341150000 | 160 |
| DKB CC 15/45  | 1341170000 | 240 |
| DKB CC DIA 30 | 1341180000 | 200 |

### Accessories

| Type                   | Mat.No.    | QTY |
|------------------------|------------|-----|
| UPDATE KIT RJPRO METAL | 1344850000 | 1   |
| PRIMER CC-M            | 1341200000 | 1   |

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As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.

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