

ELMA
Your Solution Partner



reddot award 2014
winner

iD-Box 16

INDIVIDUAL DESIGN HOUSING FOR HIGH-QUALITY ELECTRONICS

SYSTEM SOLUTIONS
ENCLOSURES & COMPONENTS
ROTARY SWITCHES

STANDARD-INDEPENDENT ENCLOSURE PLATFORM

THE ULTIMATE INDIVIDUAL EXPERIENCE

The iD-Box 16 is a versatile housing for high-quality electronic components. The novelty consists of a standard-independent system that not only addresses the individual needs of the end user but also adapts its size to the requirements as well as the needs of the application.

A CLEVER CONSTRUCTION

The additional internal housing has been completely eliminated thanks to a simple sheet-metal bracket. This makes the product even more modular in terms of its manufacture. The aluminum frame does not just act as a handle; in addition to integrating the bolt joint, it also offers stability and flows around the housing in an extremely elegant way.

**RED DOT DESIGN AWARD**

The international design competition recognizes outstanding design in the areas of product design, communication design and design concepts. The «red dot» is an internationally recognized quality label for excellent design.

In the year 2014, 1816 manufacturers, designers and architects from 53 countries have submitted their latest products and projects. The jury consists of 40 experts and award the best works from over 4800 designs.

READABILITY OF THE HMI-INTERFACE

With an ergonomic approach the iD-Box 16 allows the end-user to use the front panel elements either in a sitting or standing position comfortably thanks to the sloping front. It also provides design freedom, very much in line with the modular principle.

HIGH DESIGN AESTHETICS

With fewer screws and its flowing forms, the housing has a minimalist and clean look. Materials such as anodized aluminum give the housing a premium appeal and appearance. The housing's properties are just as unique as its customers.

HANDLING AND ASSEMBLY

The set up of this product is a piece of cake and the assembly is as fast as never before! In addition, Elma offers fully integrated system solutions.



STANDARD-INDEPENDENT ENCLOSURE PLATFORM

THE ULTIMATE INDIVIDUAL EXPERIENCE

Sizes

You define four sizes:

- > L (HxWxD) 200 x 476 x 485 mm
- > M (HxWxD) 150 x 413 x 411 mm
- > S (HxWxD) 130 x 311 x 313 mm
- > XS (HxWxD) 090 x 211 x 258 mm

Colors

You define the color combination for:

- > Base plate
- > Cover
- > Frame
- > Rear panel
- > Front panel

Design & Interface

You define which parts are printed and what features you want to incorporate into your front.

- > Displays
- > Switches
- > Touch-function
- > LED's
- > Printing: Labeling, logo, photorealistic prints

EMC

You define the right protection of your enclosure. We offer different levels of EMC protection.

- > Increased EMC level: Contact points ensure adequate shielding.
- > Basic EMC level: Electrically-bonded enclosure parts, without additional gaskets.

Cooling

You define if cooling is needed

- > Thermal analysis service: To reduce your development process.
- > Convection cooled: We have a comprehensive range of built-in fan solutions.

Interior

You define what electronics to be installed:

- > Mounting possibilities: Nuts, bolts, etc.
- > Power supplies
- > Cabling
- > Front and rear panels

ENCLOSURES WILL LOOK EXACTLY HOW YOU WANT THEM TO LOOK LIKE

SIZE



COLOURS



FUNCTIONS



SUPPORT DURING THE ENTIRE PROCESS

APPLICATION EXPERIENCE AND KNOW-HOW SINCE 1960

We offer:

- › Design and feasibility studies
- › Thermal analysis
- › 2D and 3D data
- › Prototyping
- › Series production
- › Electronic integration
- › Testing
- › Logistics and packaging

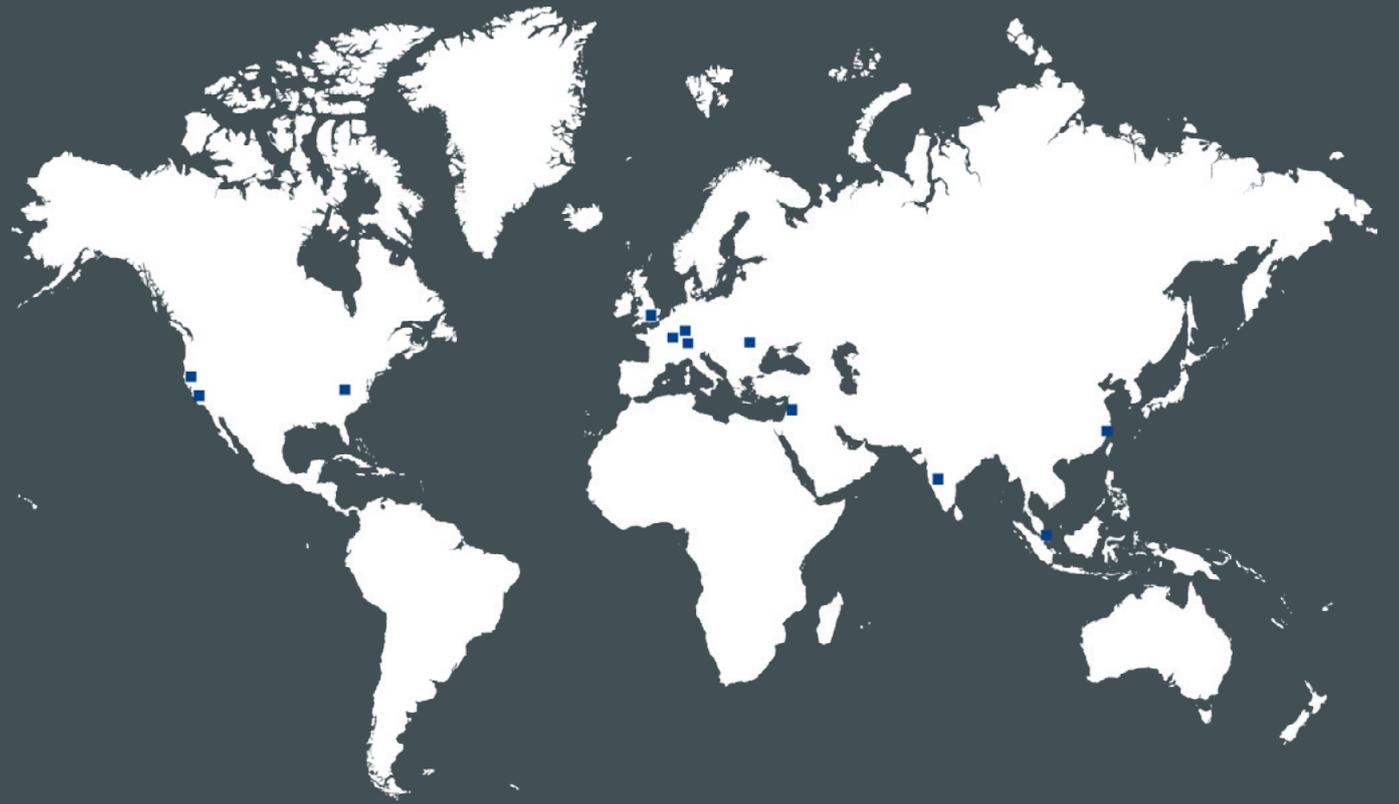
YOUR SOLUTION PARTNER

Elma Electronic AG develops and produces high-performance electronics and suitable enclosures from single components to entire systems for industry, railway technology and medical equipment. With over 100 employees in Switzerland alone, we offer innovative, high-quality products, customer-specific solutions and engineering services.

Our key strengths include a high level of development competence and an extensive electronics portfolio. From rotary switches and other electromechanical components to backplanes, computer and storage solutions, power supply units and electronic packaging, all the way to fully integrated systems. On this basis, we are in a position to develop new and trendsetting solutions quickly and safely – in top quality and convincing design, as prototypes or ready for series production.

We are listed on the Swiss Stock Exchange and represented around the world: The Elma Group – Elma Europe, Elma America and Elma Asia – includes subsidiaries in ten countries and a global sales network. In the customer's interest, we co-operate with leading technology providers in the sector and are ourselves regularly approached for advice. Everything from a single source, proven standards, outstanding solutions: Choose Elma Electronic AG.





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