

Modular assembly systems



Intermas-Elcom develops, manufactures and distributes components and component groups for the "packaging" of electronic products: cabinets, housings, subracks, cassettes in addition to a comprehensive accessories program that covers any additional requirements.

One-stop comprehensive service . . . From the idea to the complete product

Intermas® was initially founded in 1969 as an operating division within the former AEG Corporation. Intermas engineers have substantially participated in the forming of the 19-inch and metric technology as well as newer developments. A great number of innovative and trend-setting products were born at Intermas.

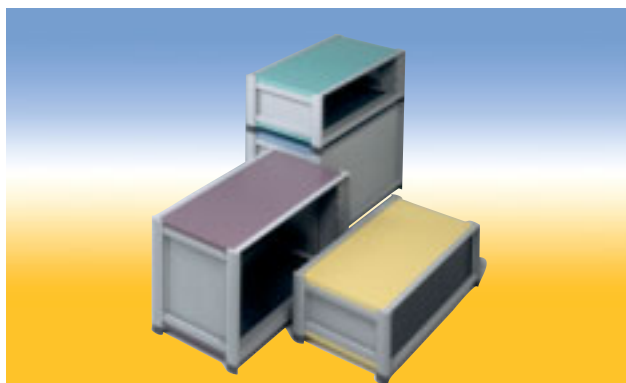
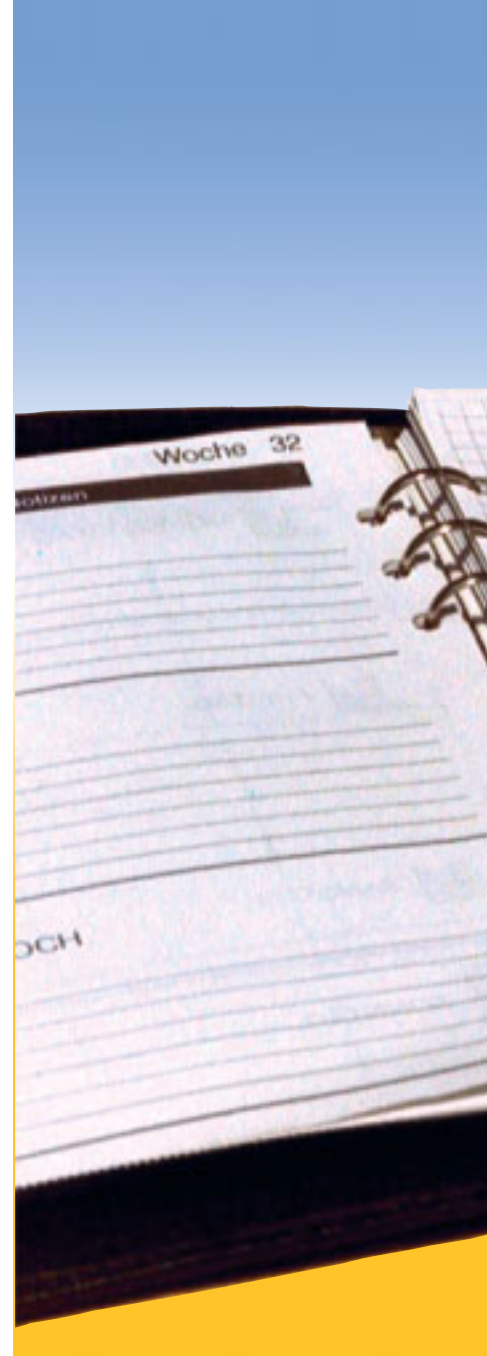
Intermas-products find their application in almost all the arrears of industrial electronics as well as telecommunications, military and transportation technology at home and abroad. Reputable customers throughout the world rely on Intermas.

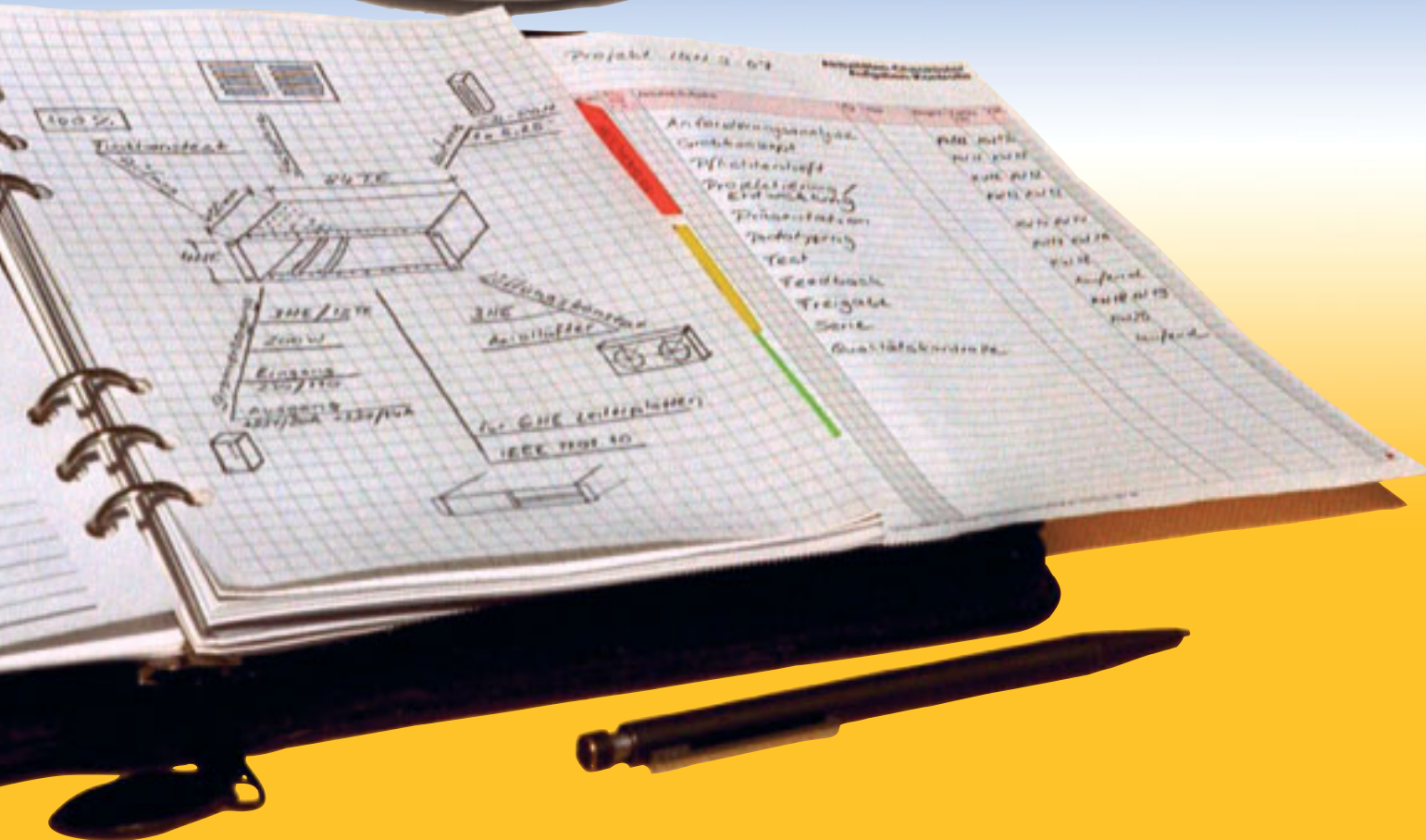
On of July 1, 2001 Intermas-Elcom GmbH acquired Intermas assets.

Today we are proud to be the manufacturer and provider of innovative system solutions in electronic packaging. Our primary focus is customer and market orientation.

The long experience of our employees, coupled with the efficiency of our leading suppliers, enables Intermas to be a competent business partner for providing solutions to complex tasks for electronic packaging,

The comprehensive range of mechanical and electro-mechanical components is the basis for integrated system solutions that we optimally adapt to particular requirements through a dialogue with our customers, contributing to their unique product design. A certified quality management system according to DIN EN ISO 9001 is in place.





We accompany your products throughout the whole life-cycle: from the idea to the final product.

■ **Consultation**

- ✓ Analysis and evaluation of your requirements
- ✓ Project support and project management

■ **Engineering**

- ✓ Feasibility studies
- ✓ Development of a rough concept

■ **Development**

- ✓ Adaptation of product design to your specifications
- ✓ CAD construction suitable for manufacturing

■ **Prototyping**

- ✓ Release samples

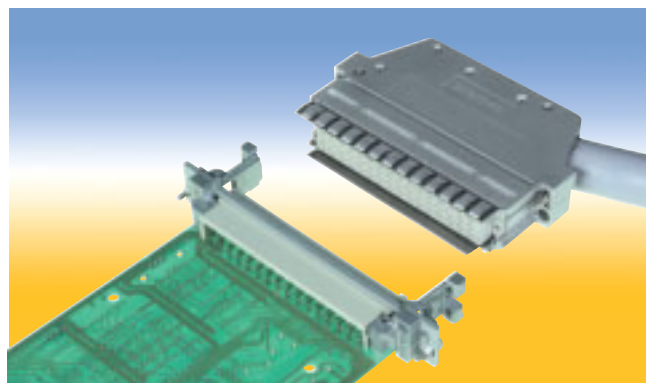
■ **Production**

- ✓ Newest technology standards

■ **Assamly, wiring, testing**

- ✓ To your individual requirements
- ✓ Feedback during all the production phases in order to ensure continuing improvement process
- ✓ Quality control

■ **Spare part supplies**



Intermas-Elcom offers modular design cabinets in aluminum and steel for development of electrical and electronic systems.

Our cabinets can be equipped with EMV/ESD protection and are also designed for extreme ambient conditions.



Cabinets from Intermas – Custom packaging

System cabinet SE

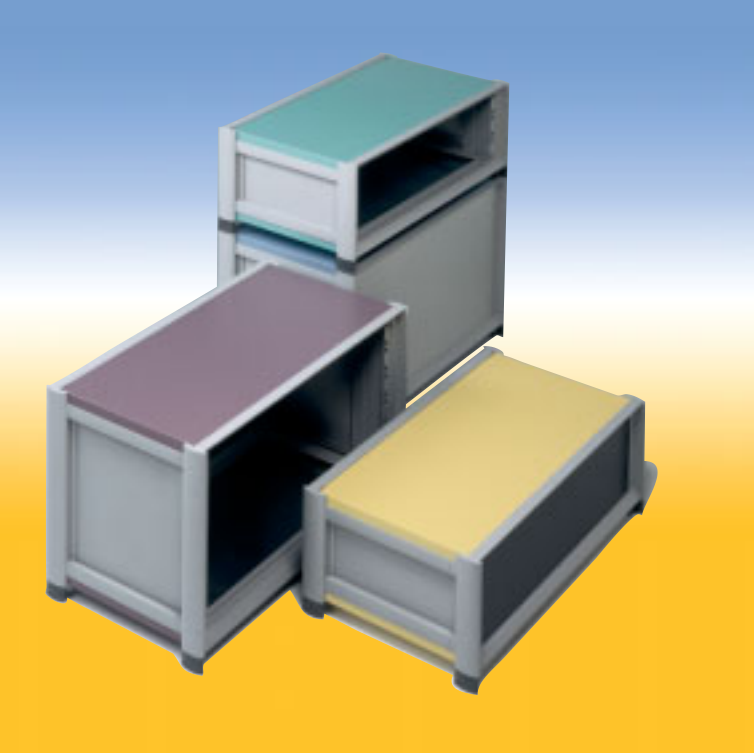
For industrial electronics applications. The bolted construction allows flexible dimensions in a grid of 25 mm. Your wish is our standard.



Aluminum cabinet MG

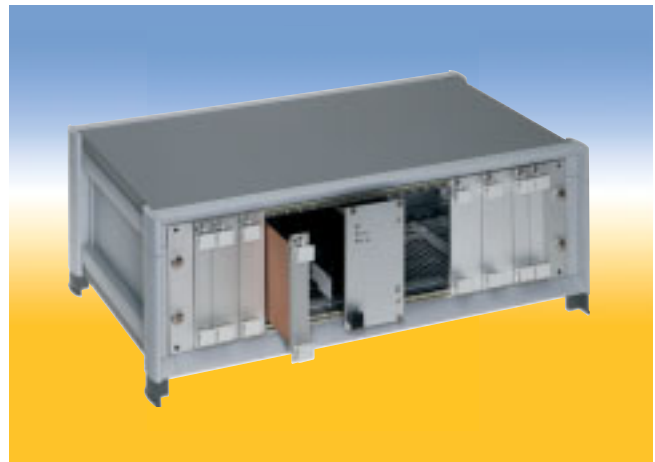
This cabinet is conceived for heavy-duty uses. Its construction is extraordinarily tough so that it can be used for mobile application. The custom-made design allows variable dimensions and geometric adaptation to demanding outside conditions, e.g. in marine industry. The MG cabinet can be sealed mechanically to IP 54.



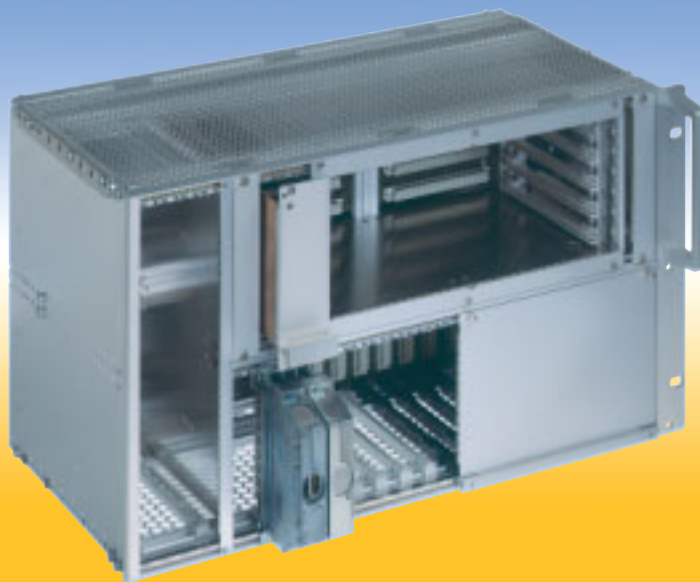


The table housing InterMeZo is a visually appealing, cost-effective housing in 19-inch or metric version. The modular design principle allows the maximum of flexibility and simple installation. Removable top and bottom covers allow fast access to the electronic systems inside. The optional RFI-shielding can also be installed later.

Tasteful design and demanding technology



The lines of subracks made by Intermas cover all applications. Every subrack can be configured individually. All the subracks conform to international norms and standards. Our extensive accessory program allows us to find the optimal solution for your specifications.



You will get ahead with subracks from Intermas



Subrack Flexible

The subrack *Flexible* offers a cost-effective and flexible design for industrial requirements. Input from our customers' everyday applications and innovative ideas dictated the construction of this subrack.



Subrack RFI

Developed on the basis of subrack *Flexible*, this model has the EMV/ESD-shielding as a standard feature. Especially in the front this proven shielding concept provides the highest reliability and operational safety.





Plug-in units

Our full line plug-in unit program completes the selection. Front-side optional RFI-gaskets can be installed at once and later. A special rear-wall attachment also allows the installation on standard mounting bars.



Subrack InterRail

Subrack *InterRail* is conceived for mobile application in the transportation industry and received certification from the French and German Railways.

Vibration-protected engineering is also suitable for application under extreme conditions in other areas, as for e.g. in power-generation or aerospace industry.

Optional RFI-shielding is possible as is the installation of replaceable standard parts.



Lean production – outsourcing – also a goal for you?

You found the right partner with Intermas-Elcom.

Our service encompasses the know-how and competency in implementation of customer specific solutions.

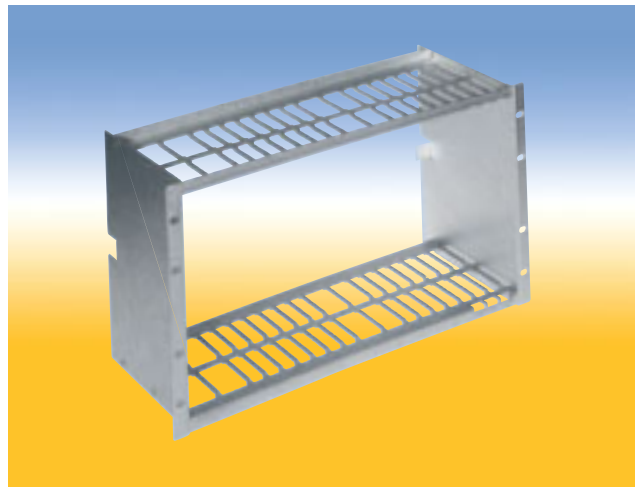
Here our offer ranges from the mechanical concept all the way to integrated system

solution according to your needs. We account for mechanical and electrical concepts and develop with you the optimal “packaging“ for your electronics.

The selection of suitable materials and manufacturing processes guarantees quality and cost-effective realization without compromises.



Customer specific products – Your wish is our standard





System solutions by Intermas

In close cooperation with you, we will implement your wishes cost-effectively and flexibly into a complete system.

Partnership in top technology – Systems by Intermas

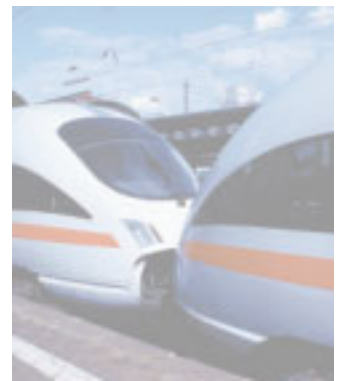


Our long-term experience in developing mechanical assembly systems in cooperation with leading manufacturers of power supplies, fans, connectors and back planes among others, enables Intermas-Elcom to be a competent and efficient business partner also in system solutions.

In this process we will be glad to work with your proven suppliers.

Professional installation, wiring and tests provide products that are ready to go – you only install your daughter boards. Aside from that you do not have to worry about anything.

Leave everything else to us!

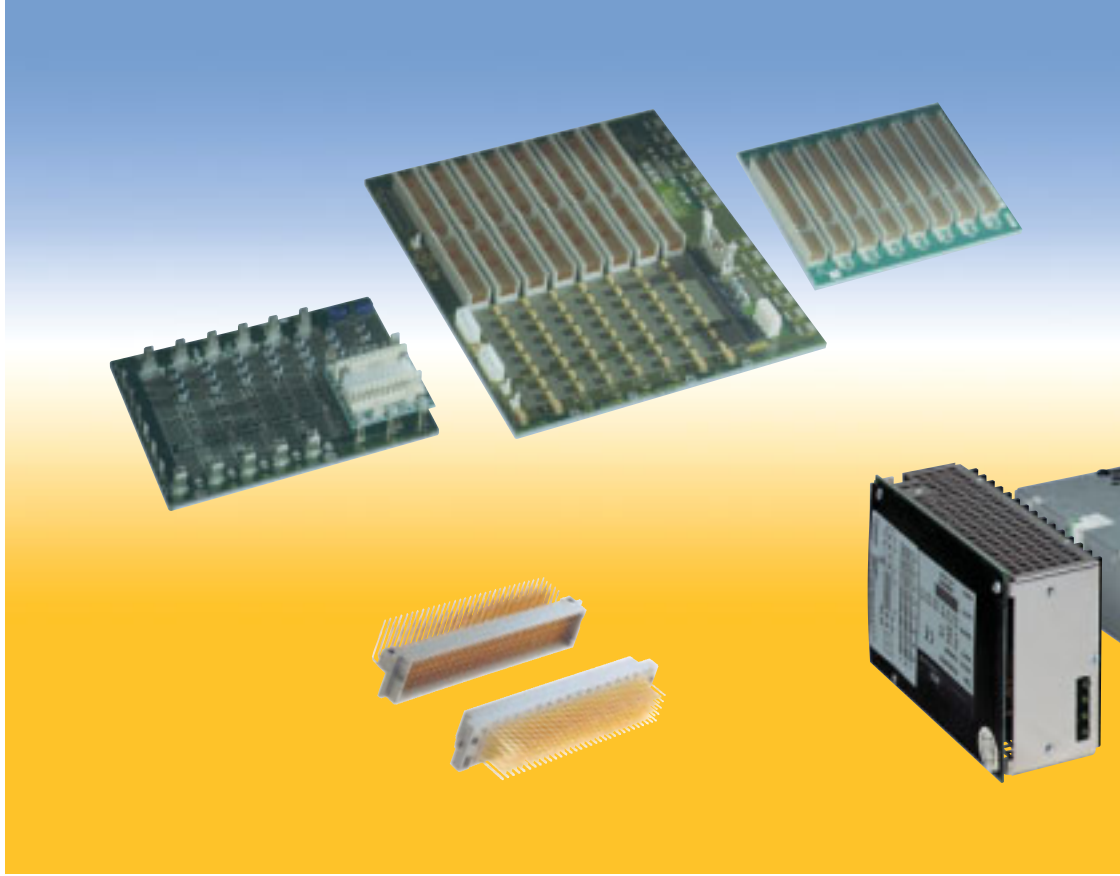


DIN connectors and back planes

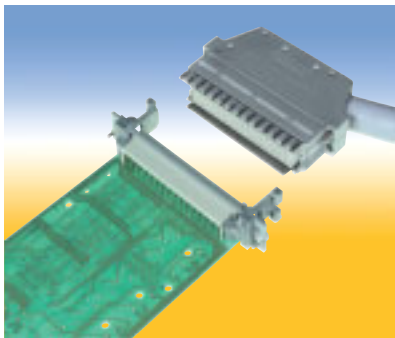
To wire your equipment, we provide connectors per DIN 41612 and Bus systems to VME, VME64x, VXI and Compact PCI.

Power supplies

Our available options include plug-in as well as open-frame power supply equipment up to 1000 watts.



What else do you need?



Interface housing

RFI-shielded interface housings in metal for lasting protection of your connectors (according to DIN 41612) for the frontal transfer of VME and other Bus systems. Of course you can also have your interface housings in plastic.



Bus bars

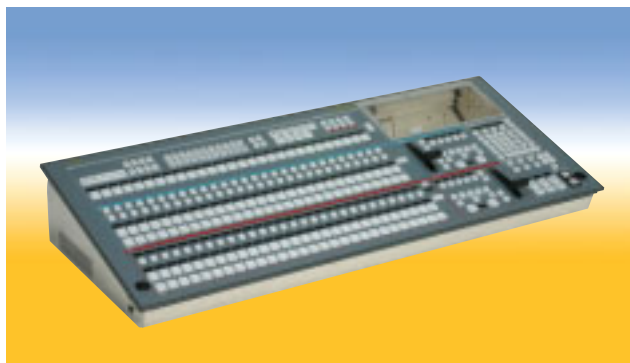
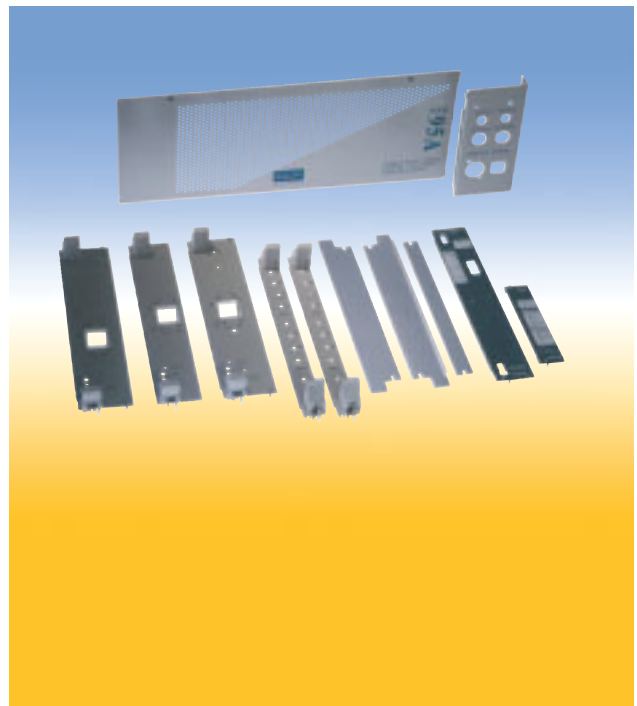
Bus bars for diverse wiring applications up to 100 A.



Fans and blowers

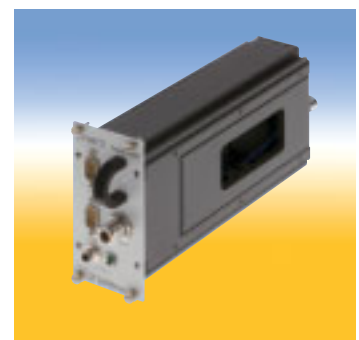
To ensure that your electronics are cooled, we offer axial and tangential blowers as well as space saving fans with filter inserts for installation in cabinets, housings and subracks.





Modifications and special orders

According to your order we will provide you with options in sheet metal stamped or extruded technology. We will also provide fast, reliable and costefficient individual processing of your front panels including screening and surface finish to your requirements.



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