

DOLD - solutions for your electronics. Just as individual as your application.

It all depends on the right enclosure!

Electronic enclosures not only serve to package your electronics, they also offer much more. Modern tool concepts make off-the-shelf solutions a thing of the past. Due to high flexibility in design, colour and function, our enclosure systems can be easily adapted to your requirements and application.

We see ourselves as project partners and support you with the design-in process. You can fully concentrate your valuable resources on electronics development. You can rely on our competence based on decades of experience.

We would be pleased to inform you about further product solutions from our company.

Electronic enclosure
KV 4600

Full functionality
at the front



Switch cabinet enclosures

With various modular enclosure series in common widths, assembly-friendly electronic modules are created from assembled printed circuit boards. This means that the right enclosure solution is always available for future-oriented automation devices. Benefit from enclosure systems with graduated sizes, variable connection technology and optional DIN rail bus system.



Distribution enclosures

The distribution enclosures meet all requirements in the field of modern building automation. They cover all common construction widths and installation depths and offer plenty of space for your electronics. With a large variety of variants, your individual tasks can be easily solved.



Safety relays

As the competence leader for safety relays with forcibly guided contacts, PCB and miniature relays, we offer technically and high-quality solutions for the safe switching of electrical currents with minimum dimensions.



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Our experience. Your safety.

Full functionality at the front

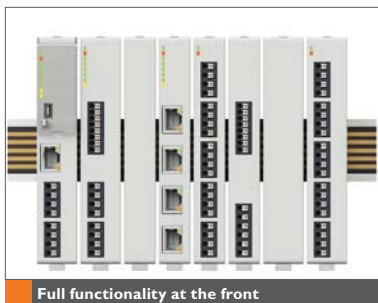
Ready for the future - the electronic enclosure KV 4600 sets new standards in modularity and function. All functionality is integrated into the front of the enclosure and thus offers a high degree of flexibility for your electronics.

During development, special attention was paid to mechanical stability. This also enables the device to be used in mobile applications. Reduce your installation effort - only a few enclosure components make up the finished device. Increase your degree of automation - the push-in terminals fulfil the high requirements of the reflow soldering process. The modular enclosure system with construction widths from 12.5 mm enables a tailor-made realisation of a large number of customer-specific applications. As an option, common communication interfaces can also be integrated.



Push-in and fast diagnostics

The push-in terminals, which are suitable for automatic processing, meet the high requirements of the reflow soldering process. The integrated test point enables fast diagnostics directly on site



Full functionality at the front

The large front area allows the individual arrangement of connection terminals and the integration of common communication interfaces (RJ45, D-SUB and USB connections, light conductors, wireless and NFC)

Maximum economic efficiency

Tailor-made printed circuit board with usable area of over 9500 mm² as well as various mounting positions of the printed circuit boards for optimum utilisation of the available, maximised installation space

Simple installation and connection

The enclosure construction enables fast and simple installation snap-in - Optional variant for simple integration of common bus systems in the bottom area

Integrated ventilation slots

Lateral ventilation slots ensure optimum heat dissipation through free convection and enable applications with high thermal loads

Intelligent design

Due to special labyrinth-like geometries, high clearance and creepage distances of up to 8 mm are achieved between the PCB and the outside contactable joining edge

Cost efficiency

The PCB design allows a cost-effective design of the panel and thus reduces material costs

High contact reliability

The pluggable spring contact block with gold-plated double spring contacts offers maximum contact reliability to the DIN rail bus system (In-Rail-Bus)



Customer benefits:

- ▶ Full range of functions at the enclosure front
- ▶ Quick assembly due to simplified enclosure design
- ▶ PCB area of 9500 mm² allows a wide range of applications and enables cost-effective design of the panel
- ▶ High mechanical stability and vibration resistance
- ▶ Push-in terminal technology fulfils the high requirements of the reflow soldering process

Highlights:

- ▶ Full functionality for display or control elements, connection technology, NFC and radio technology at the front panel
- ▶ Optional sealable, hinged front cover
- ▶ Modular widths from 12.5 mm and various construction depths available
- ▶ Use of up to two printed circuit boards per enclosure width
- ▶ High signal density due to push-in terminals with 3.5 or 5 mm pitch
- ▶ Light conductor concept - high display density with minimum space requirement
- ▶ Customer-specific adaptations can be implemented easily and cost-effectively
- ▶ Common bus concepts can be integrated into the bottom module
- ▶ Different enclosure colours available
- ▶ Optional DIN rail bus system (In-Rail-Bus)



Fast installation

Simply snap the DIN rail bus system into position - and device communication for power, signal and data transmission takes place immediately



Various labelling possibilities

The enclosure offers large space for individual and abrasion-resistant laser markings, pad printing or digital printing processes of your choice