

Product overview



IN-RAIL-BUS

Smart connection of electronic housings



Our experience. Your safety.

IN-RAIL BUS

Flexible. Easy. Secure.

This user-friendly and highly flexible BUS system is the smartest solution for a reliable and quick transmission of signals, data and energy. In modular applications, it replaces costly wiring when it comes to connection, distribution or even power supply. Thus, this In-Rail bus reduces wiring costs and error-proneness. It offers higher efficiency, great flexibility and also makes later system changes a breeze.

The IN-RAIL BUS system is based on a carrier section. It can be easily integrated in the 35 mm standard DIN rail and accommodates the BUS pcb that can be individually configured. With its high flexibility, this concept allows a variety of custom solutions.



User-friendly and easy to service

Quick and easy module installation, even in existing module configurations without effect on adjacent modules. This saves time and costs also in case of module change.



Free choice of positions

Free positioning of the modules on all 35 mm standard carrier rails. An optional coding allows you to specify positions. Covers are available for unused sections.



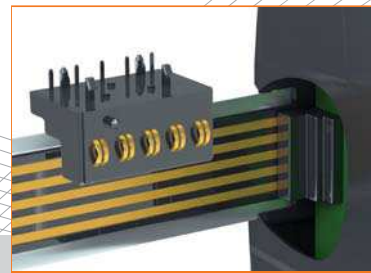
Connecting rather than wiring

Module connection is made by simple snapping onto the top-hat rail rather than costly wiring. When doing so, the module is safely connected to the In-Rail bus.



Highly scalable

Consistent connecting solution for all housing types and widths from the 17.5 mm narrow compact solution up to large housings with almost any width.



High contact reliability

The machine-solderable contact spring block with its gold-plated contacts ensures a permanent contact to the In-Rail bus. This prevents unwanted bus interruptions and high contact resistances and thus provides a maximal availability of your system.



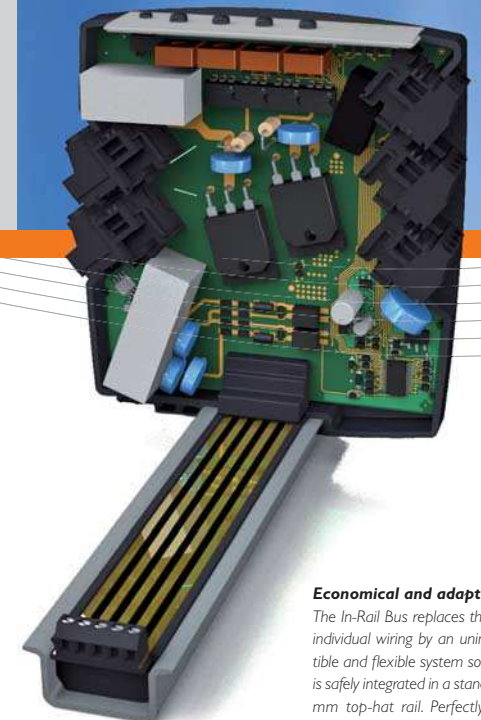
Cost-effective manufacturing

In a single process step, each BUS contact block is soldered in the device's pcb together with the electronic components of the device. There is no need for manual rework.

Advantages of the IN-RAIL BUS:

- ▶ Reliable and quick transmission of signals, data and energy
- ▶ Replaces costly individual wiring
- ▶ Quick and cost-effective module exchange
- ▶ Protection against accidental contact by configurable rail covers and end caps
- ▶ Allows a variety of custom solutions
- ▶ Also suitable for device-internal BUS connections between multiple functional modules
- ▶ UL-approved

What can we do for you?



Economical and adaptable

The In-Rail Bus replaces the costly individual wiring by an uninterrupted and flexible system solution. It is safely integrated in a standard 35 mm top-hat rail. Perfectly fitting carrier sections allow the use of standard rails with a height of 7.5 mm or 15 mm.



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The system components

The advantages of this system can be used by the few components that are listed in the table below.

Part designation – System components up to 1000 mm

Printed circuit board, black, gold-plated

Carrier section, depth 7.5 mm

Carrier section, depth 15 mm

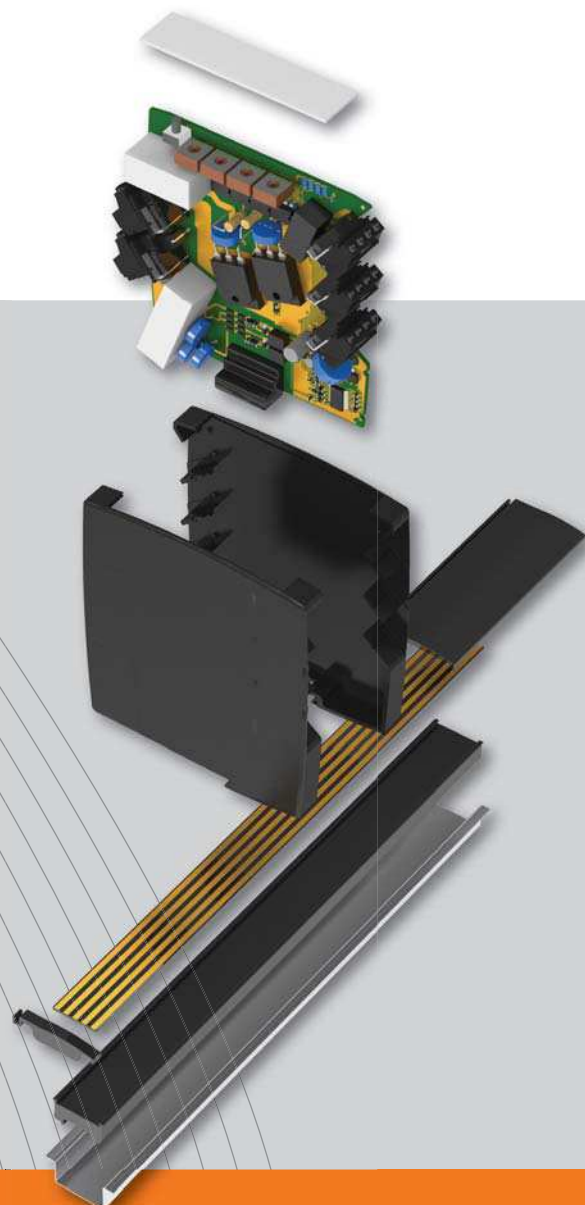
Contact spring block

Contact spring block, coded

Rail cover

End cap, LH

End cap, RH



Are you also among those who require a high-quality electronic housing that can be customised and is scalable while offering a maximum of flexibility and functionality? If so, we have the optimal solution for you.

DOLD is offering a wide range of various housings for fitting in switch cabinets as well as installation and industrial distributions. Thus, a tailored housing solution is always available for a variety of requirements.

KS 4400



KO 4300



KO 4030



KO 4900



KU 4000



KU 4100



What can we do for you?

Challenge us. We look forward to it!

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