DEOS.AG
Technology for intelligent buildings

DEOS bridge bus connector

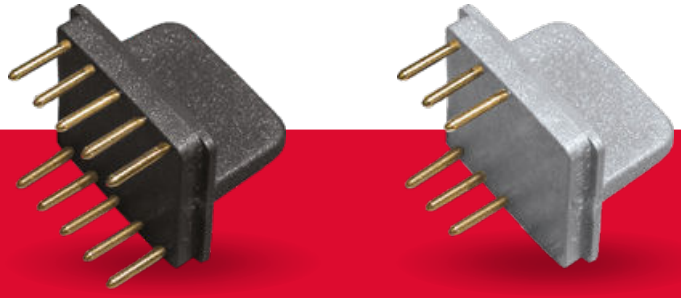
Increased operational reliability thanks to additional version

Alongside the tried and tested 5-pin bridge bus connector for fast connection of the CAN-bus and the power supply between DEOS controllers and IO modules, there is now an extension to ensure even greater operational reliability in DEOS-controlled systems.

When used, the colour-coded grey version of the bridge bus connector shields the DEOS controller against a backfeed short circuit, thus increasing operational reliability in the event of a fault.

5 pins for connecting the CAN-bus and the power supply

3 pins for connecting the CAN-bus



Your advantages with the new 3-pin bridge bus connector

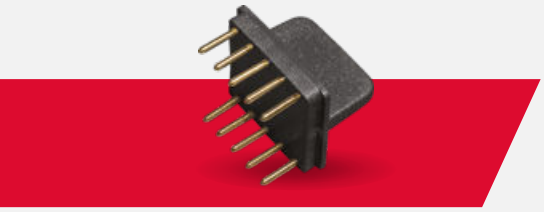
✓ **Increased operational reliability**
Protection against damage to the controller in the event of a short circuit on the IO modules (external short circuit)

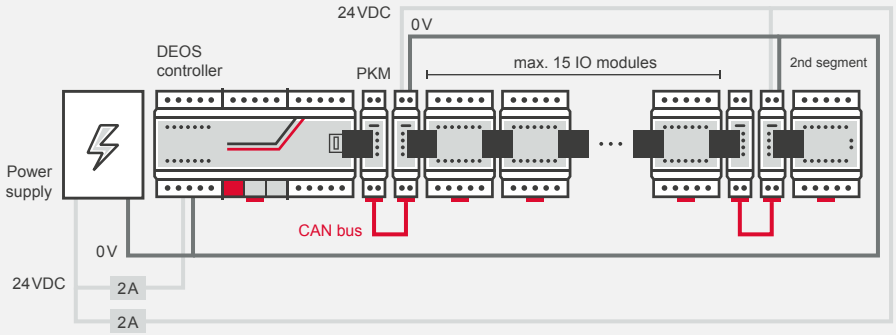
✓ **Save space and reduce costs**
Only a single coupler module (PKM) is required - less than when using exclusively 5-pin bridge bus connectors

The new solution – a comparison

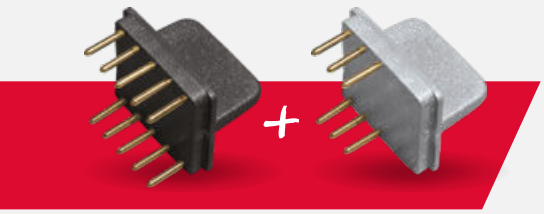
When using the black, 5-pin bridge bus connector exclusively, two coupler modules (PKM) were previously required to separate the power supply between the controller and the IO modules. If you now use the grey, 3-pin bridge bus connector to connect the controller and the PKM, the power supply is interrupted at this point and a single PKM is sufficient – so not only do you save on purchasing a PKM, you also gain space in the control cabinet.

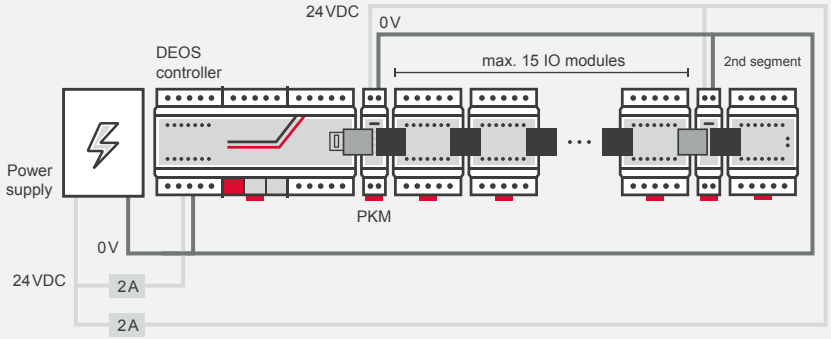
Previous solution





New solution





Exemplary arrangement. 2nd segment can also be arranged in the second row.

DEOS listens

„A short circuit on an IO module can destroy the controller. That is why, up to now, we always installed a PKM directly after the controller and – to connect them – we manually disconnected the two pins of the power supply from the bridge bus connector. We are pleased that this is now a thing of the past, as DEOS has taken up our suggestion and added a 3-pin bridge bus connector to its range."

Michael Muhr, Fiehn Gebäudeautomation GmbH

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