

wöhner

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OMUS®. The heat is on.

The electronic hybrid switch for resistive loads.

ALLES MIT SPANNUNG

The revolution for switching processes.

With the OMUS[®], Wöhner has developed a new device class for precise switching of resistive loads, e.g. for heating processes. Thanks to hybrid technology, the wear-resistant electronic switching process is linked with the more energy-efficient and reliable mechanical switching function.

In conjunction with adjustable current monitoring, integrated fuses for short-circuit protection and safe and reliable power supply via the CrossLink[®] adapter technology, the OMUS[®] provides unique benefits.





OMUS®. The electronic hybrid switch for resistive loads.

Impressive product features:

- Up to 25A continuous current, including current monitoring
- 3 phase switching or independent phase switching is possible
- Built-in functions for energy supply, fuse protection and switching
- Up to 55% smaller footprint and up to 66% less dissipated heat when compared to solutions with solid state relays
- Compact design: 36mm wide, 160mm high and 130mm deep (144mm with adapter)
- CrossLink® technology for safe and easy handling
- UL approval

OMUS[®] – safe and energy-efficient switching!

The OMUS[®] hybrid switch is used without the heat sink that is often compulsory for switching processes. In addition to resulting space savings, up to 66% less heat loss is achieved during the switching process, depending on frequency. The OMUS[®] triggers the on/off process at the most favourable time, zero crossing.

Due to the switching sequence, the maximum switching frequency is 1Hz to avoid excessive heating.

NEW: OMUS[®] HYBRID TECHNOLOGY



Reduced contact wear and low power dissipation

CONVENTIONAL DESIGN

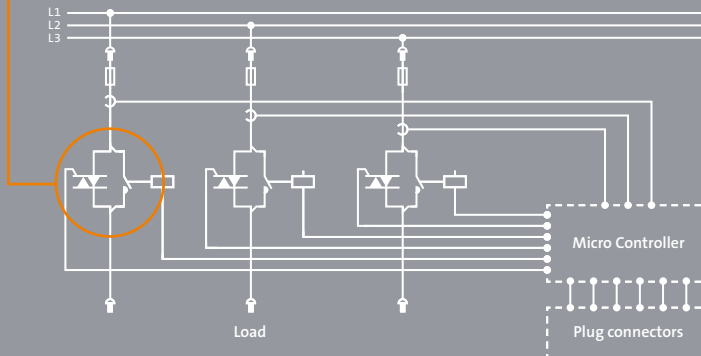


Semiconductor technology: high power dissipation



Mechanical contacts: high wear

OMUS[®] DESIGN IN DETAIL



30Compact

- OMUS® on CrossLink® busbar adapter, 160mm high, for busbars 12×5 and 12×10mm
- Compact busbar system up to 360A
- Power supply via busbar system
- Thanks to the CrossLink® busbar adapter, the rail system remains covered and touch-safe when the OMUS® electronics module is removed



60Classic

- OMUS® on CrossLink® Busbar adapter, 200mm high, for busbars 12×5 up to 30×10mm, double-T and triple-T profile rails
- Universal busbar system for all requirements up to 2500A
- Power supply via busbar system
- Thanks to the CrossLink® busbar adapter, the rail system remains covered and touch-safe when the OMUS® electronics module is removed



CrossBoard®

- OMUS® on CrossBoard®, 160mm high, modular system solution
- Safe power distributions up to 125A
- Power supply via CrossBoard®
- Thanks to the CrossLink®-technology, the busbar system remains covered and touch-safe when the OMUS® electronics module is removed



Ordering Data

Design	PU	Weight kg/100 u.	Item no.
OMUS® 30Compact, IEC	1	45.2	36152
OMUS® 30Compact, UL and IEC	1	45.2	36157
OMUS® 60Classic, IEC	1	45.8	36153
OMUS® 60Classic, UL and IEC	1	45.8	36158
OMUS® CrossBoard, IEC	1	35.7	36154
OMUS® CrossBoard, UL and IEC	1	35.7	36159

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