

**wöhner**  
ALLES MIT SPANNUNG



**CrossLink®**  
TECHNOLOGY

# Wöhner busbar system technology

## Safety and economy right from the start

CrossLink® Technology

QUADRON®CrossLinkAdapter

QUADRON®CrossLinkBreaker

QUADRON®CrossLinkCarrier

QUADRON®CrossLinkSwitch



**CrossLink®**  
TECHNOLOGY

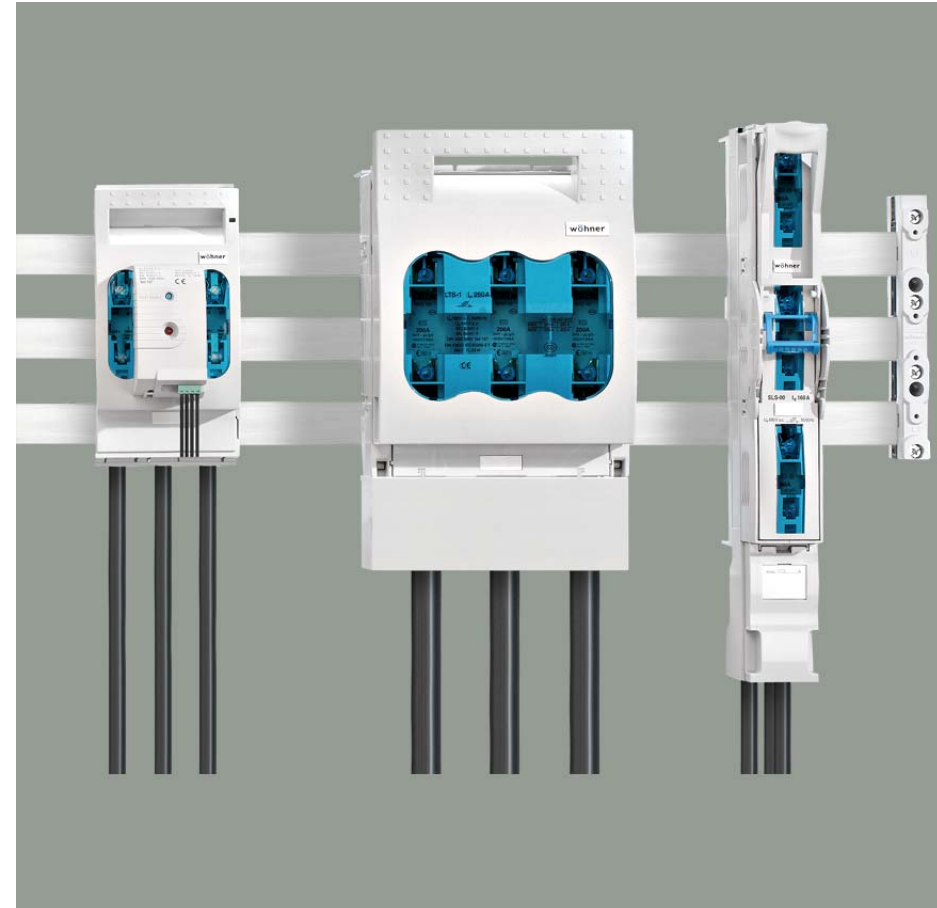
# Wöhner busbar system technology

## Safety and economy right from the start

**Ongoing innovations** have established Wöhner as a leader in the busbar system technology sector for decades.

### Wöhner ...

- ... develops innovations
- ... sets industry standards
- ... offers globally unique products





## Wöhner CrossLink® Technology

A new dimension in busbar system technology

Wöhner has made a quantum leap for the 60mm busbar system with the development of CrossLink® Technology.

- Safe, modular and user-friendly
- Suitable for international use

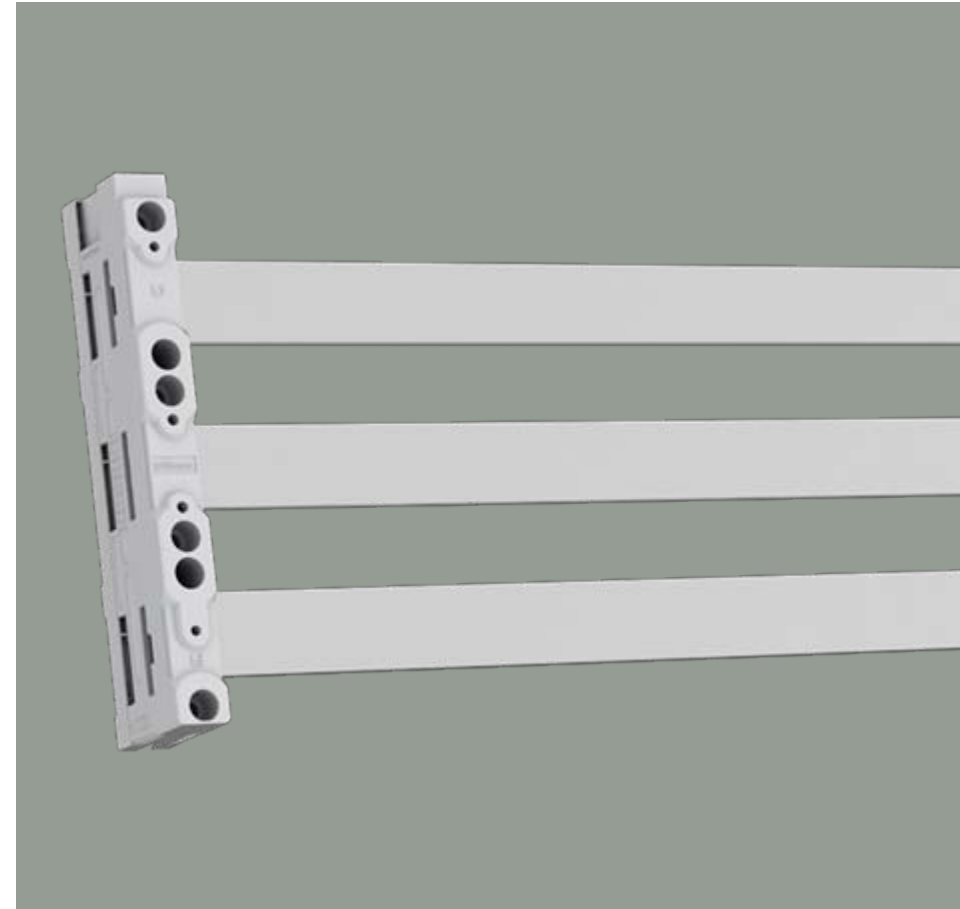
CrossLink® Technology opens up new perspectives in the sectors of energy distribution and machine building.



# Wöhner CrossLink® Technology

## The new generation of control panel architecture

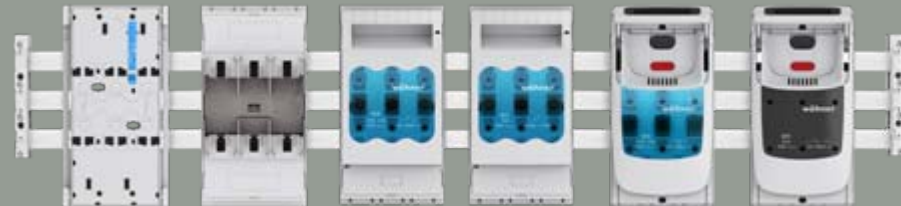
The 60mm busbar system is the basis of the new CrossLink® Technology.



# Wöhner CrossLink® Technology

## The new generation of control panel architecture

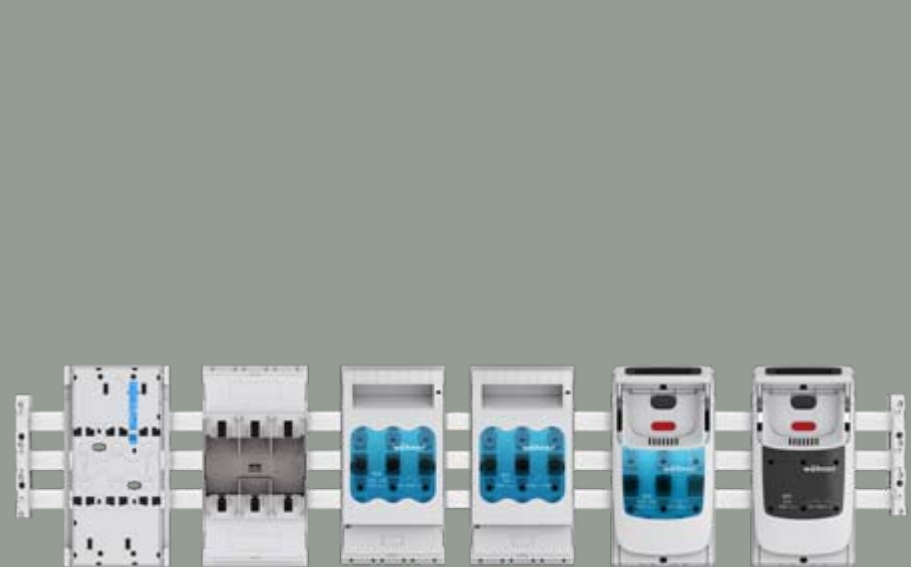
- Versatility as a result of the QUADRON®CrossLinkAdapter
- Installation without drilling the busbars
- Automatic locking
- Maintenance-free contacting



# Wöhner CrossLink® Technology

## The new generation of control panel architecture

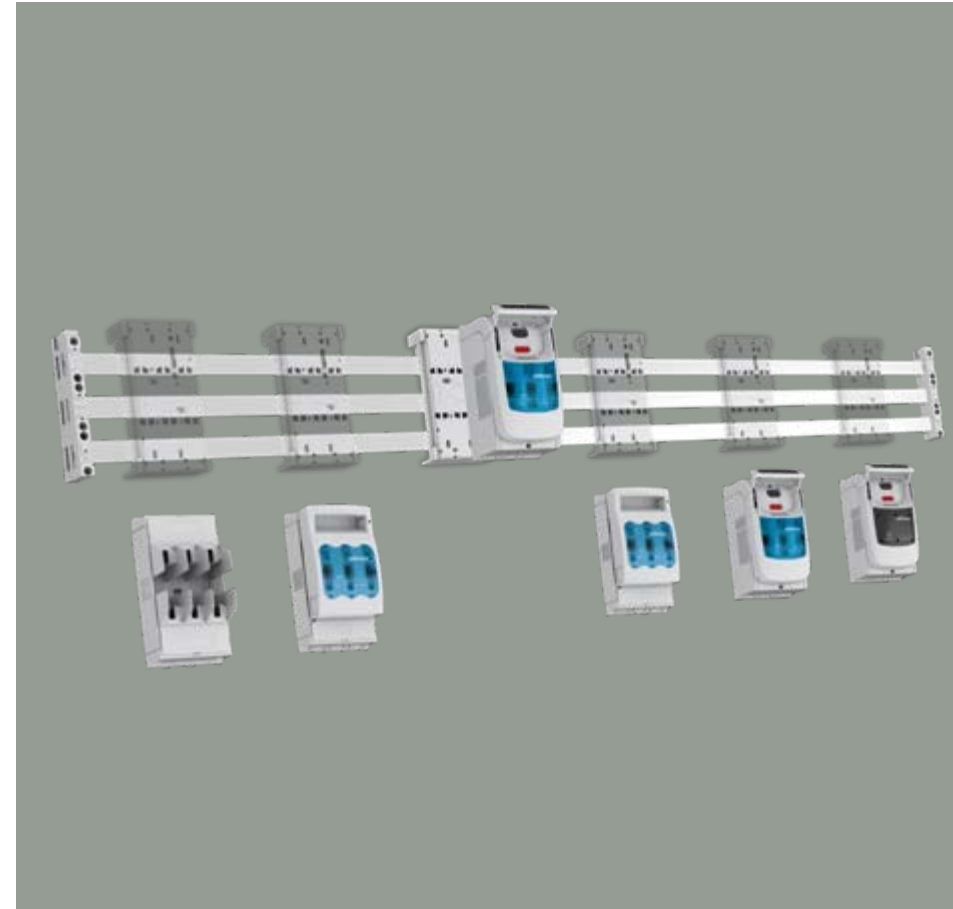
- Fast and safe exchange of different types of device modules
- Shock-protected and simple
- The busbar system remains shock-protected and covered even after removal of the device modules



# Wöhner CrossLink® Technology

## Modular, international, safe, easy to install

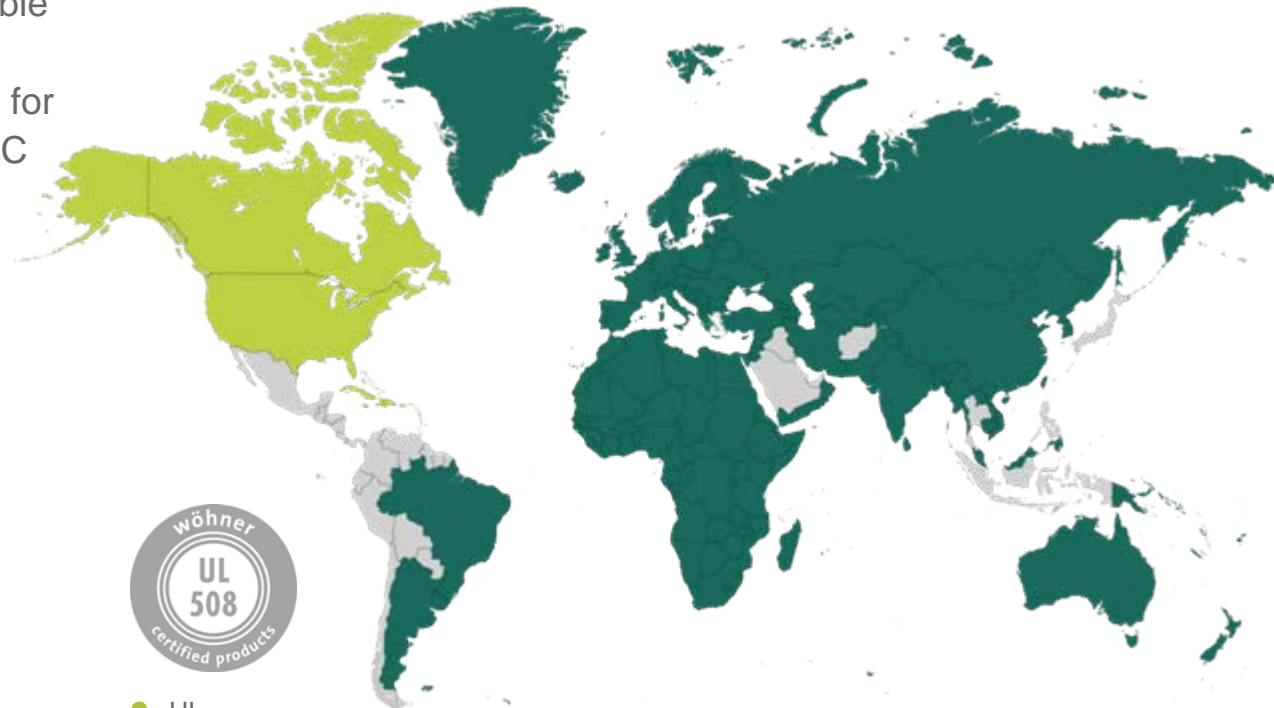
- Optional exchange of different device modules
- No downtime for system extensions
- Easy expansion due to reserve sections adapters
- High operational availability of the switchgear
- Advantages for designing



# Wöhner CrossLink® Technology

## Modular, **international**, safe, easy to install

- Subsequent exchange of country-specific components possible
- Identical switchgear layout for systems complying with IEC and UL standards
- Suitable for worldwide use



- UL
- UL/IEC
- IEC

# Wöhner CrossLink® Technology

## Modular, international, **safe**, easy to install

- Highest safety level
- Permanent shock protection
- System components\*: IP30 front side
- Adapter modules: IP20 front side

\*Exception QUADRON®CrossLinkCarrier NH

QUADRON®CrossLinkSwitch  
with NH fuses



QUADRON®CrossLinkSwitch  
without fuses



# Wöhner CrossLink® Technology

## Modular, international, safe, easy to install

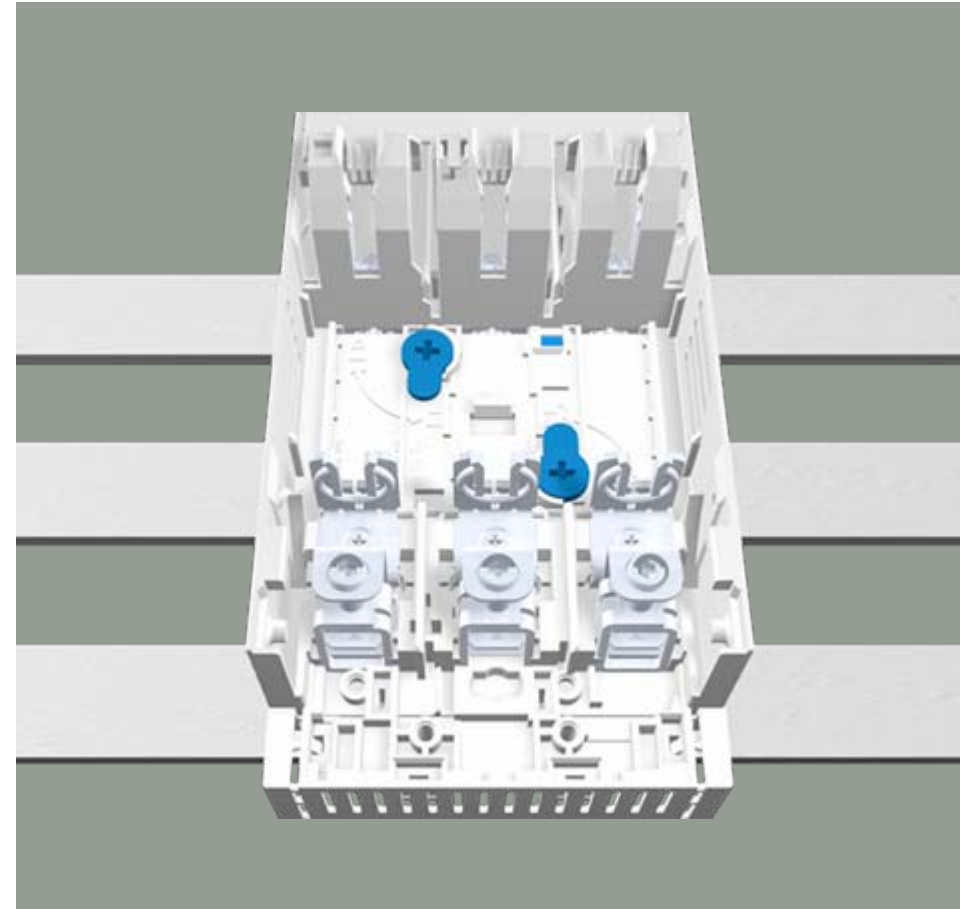
- Fast mounting of the complete units which can be snapped directly onto the busbar system
- Mounting and contacting without drilling the busbars
- Automatic locking on the busbar system
- Changing the outgoing connection orientation is easy, fast and shock-protected

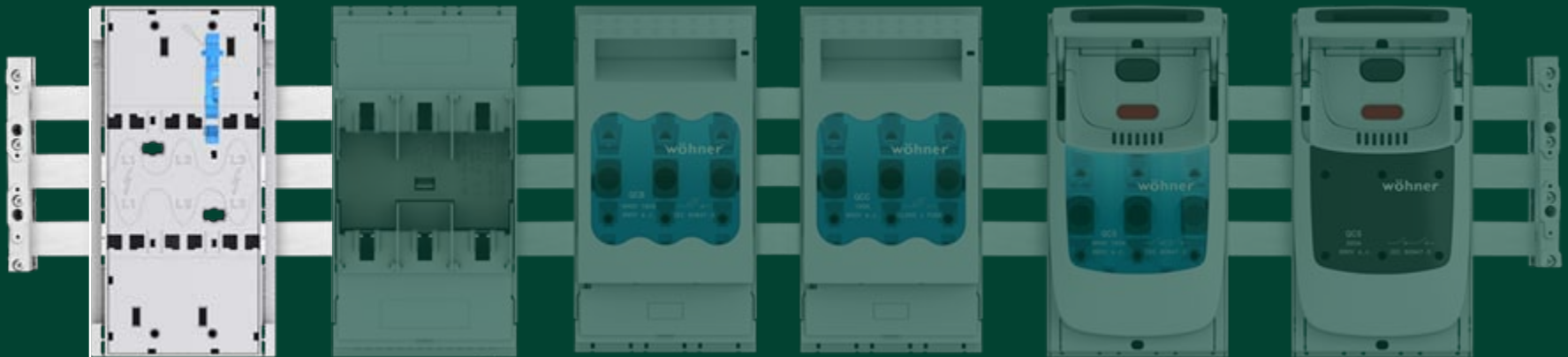


# Wöhner CrossLink® Technology

## Modular, international, safe, **easy to install**

- Easy-to-connect box terminal
- Optimized cable routing



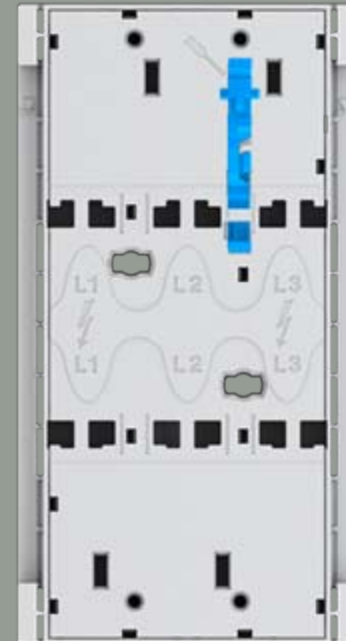


QUADRON®CrossLinkAdapter

# QUADRON® CrossLinkAdapter

## The main CrossLink® Technology interface

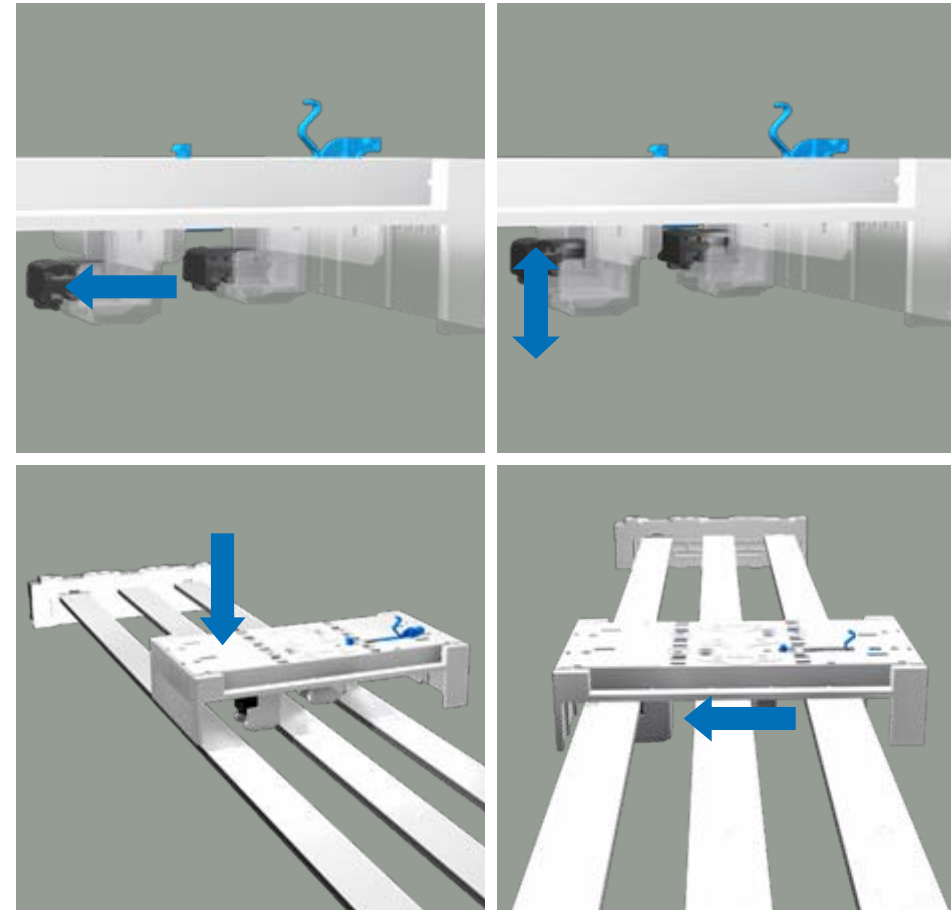
- Standardised interface
- Convenient connection of the device module as a result of plug-in technology
- Busbar support can be bridged
- Shock-protected (IP 20)



## QUADRON® CrossLinkAdapter

The main CrossLink® Technology interface

- Easy adjustment of contacting combination base
- Fast and simple snap-on assembly
- Automatic locking
- Safe mounting on the busbar (alignment mark)
- Fast disassembly



# QUADRON® CrossLinkAdapter

## The main CrossLink® Technology interface

- User-friendly
- Maintenance-free
- Easy to install
- No busbar drilling required





QUADRON®CrossLinkCarrier  
NH fuse

QUADRON®CrossLinkCarrier  
Class J fuse

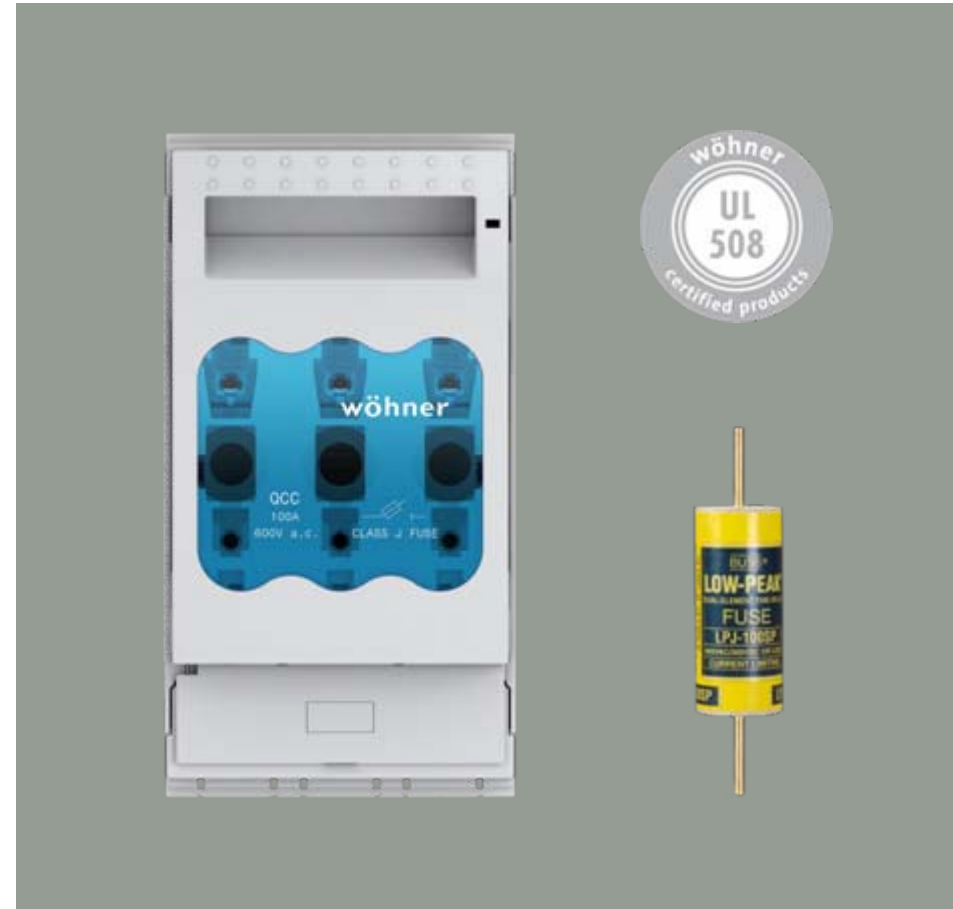
## QUADRON® CrossLinkCarrier NH fuse Bus-mounting fuse base

- dimensions compatible with previous model
- Versions with box terminals and screw connection
- Shock protection optional (grip lug cover)
- Space-saving version size 000  
Width: 89 mm



# QUADRON® CrossLinkCarrier Class J fuse Bus-mounting fuse base

- UL version for Class J fuses
- Changing fuses is convenient, tools are not required
- Dimensions considerably reduced against the previous model
- Fuse monitoring with LED (optional)





QUADRON®CrossLinkBreaker  
NH fuse

# QUADRON® CrossLinkBreaker NH fuse

## Fuse switch disconnector

- IEC version for NH fuses
- Dimensions compatible with previous model

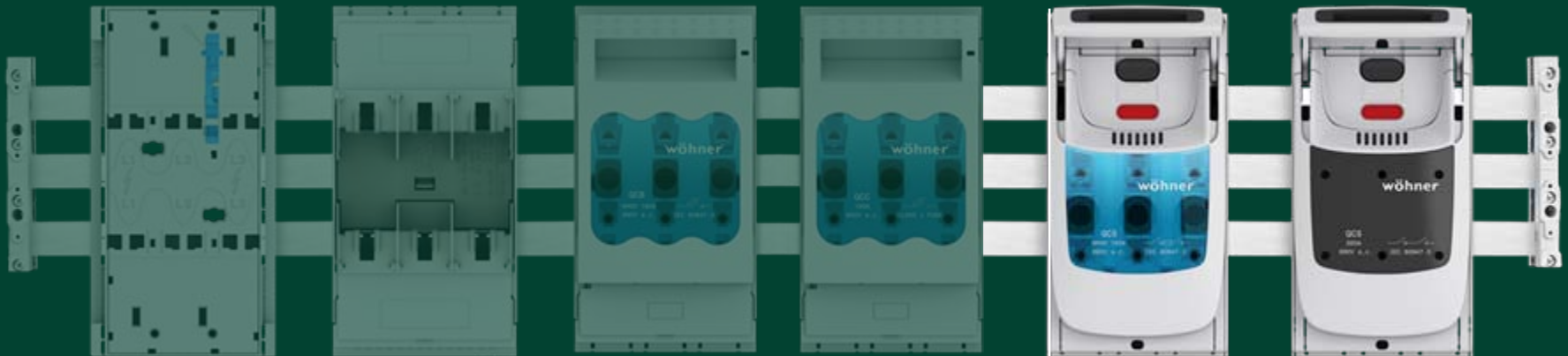
### Specifications

- Technical specifications identical to previous model:

$U_e$ ,  $U_i$ ,  $U_{imp}$ ,  $I_P$

### Approvals





QUADRON®CrossLinkSwitch  
NH fuse

QUADRON®CrossLinkSwitch

# QUADRON®CrossLinkSwitch

## Switch disconnecter with or without fuses

- Combines the advantages of circuit breakers and disconnectors
- Maximum safety level
- Compact design
- Highest utilisation category compliant with AC23A
- Operator-independent switching by means of snap action switch mechanism

QUADRON®CrossLinkSwitch  
with NH fuses



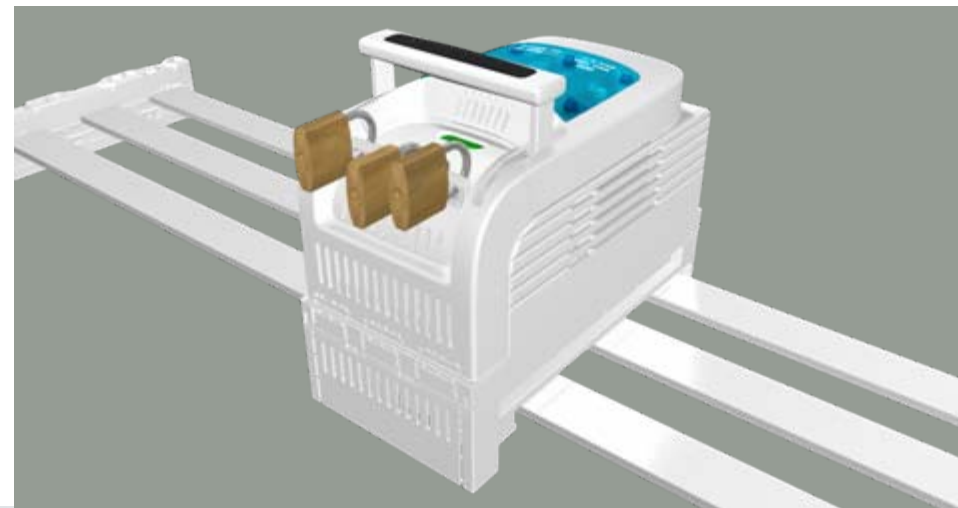
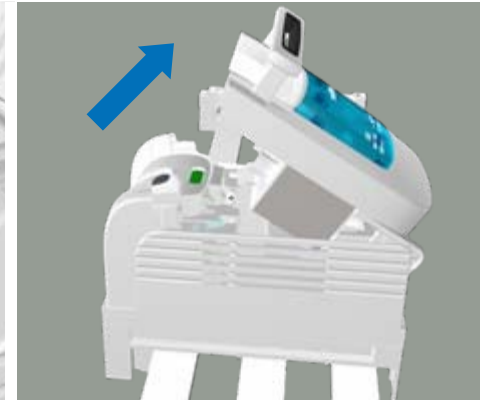
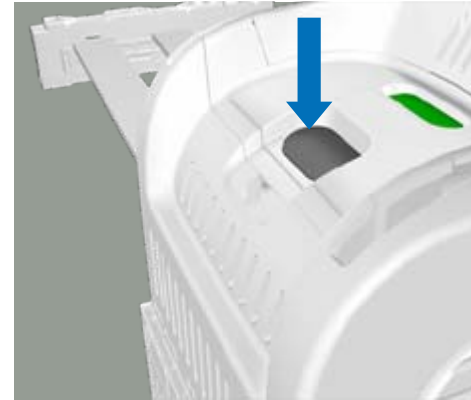
QUADRON®CrossLinkSwitch  
without fuses



## QUADRON® CrossLinkSwitch

### Switch disconnecter with or without fuses

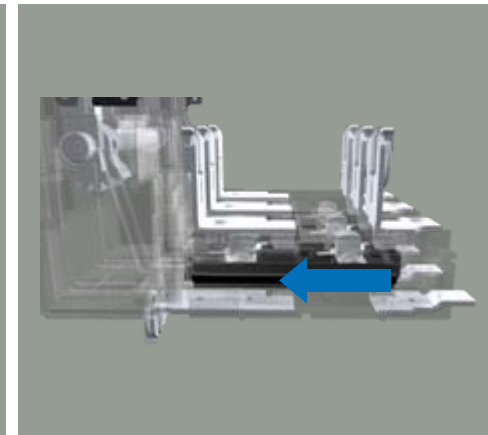
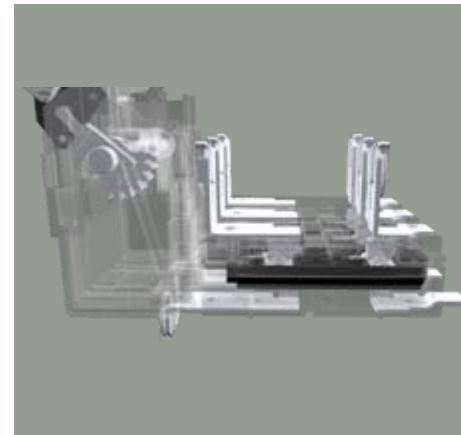
- **Reliable signal by means of FLAG indicator:**  
Red = switched ON  
Green = switched OFF
- Operating orientation remains consistent after change of outgoing connection orientation top / bottom
- Locking mechanism for 3 padlocks
- Complies with requirements for main power switches according to EN 60204-1 (electrical machines)



## QUADRON® CrossLinkSwitch

### Switch disconnecter with fuses

- User-friendly handling as a result of multifunctional handle
- Disconnection with visible air gap
- Cannot be switched ON when fuse section is open
- Double breaking ensures safe opening





CrossLink®  
TECHNOLOGY



QUADRON®CrossLinkSwitch

QUADRON®CrossLinkSwitch  
Class J-Fuse



QUADRON®CrossLinkCarrier  
Class J-Fuse



QUADRON®CrossLinkSwitch  
NH-Fuse



QUADRON®CrossLinkCarrier  
Class J-Fuse



QUADRON®CrossLinkBreaker  
NH-Fuse



QUADRON®CrossLinkCarrier  
NH-Fuse



Thank you very much for your kind attention.