



ELECTRIC DRIVES
FOR EVERY DEMAND



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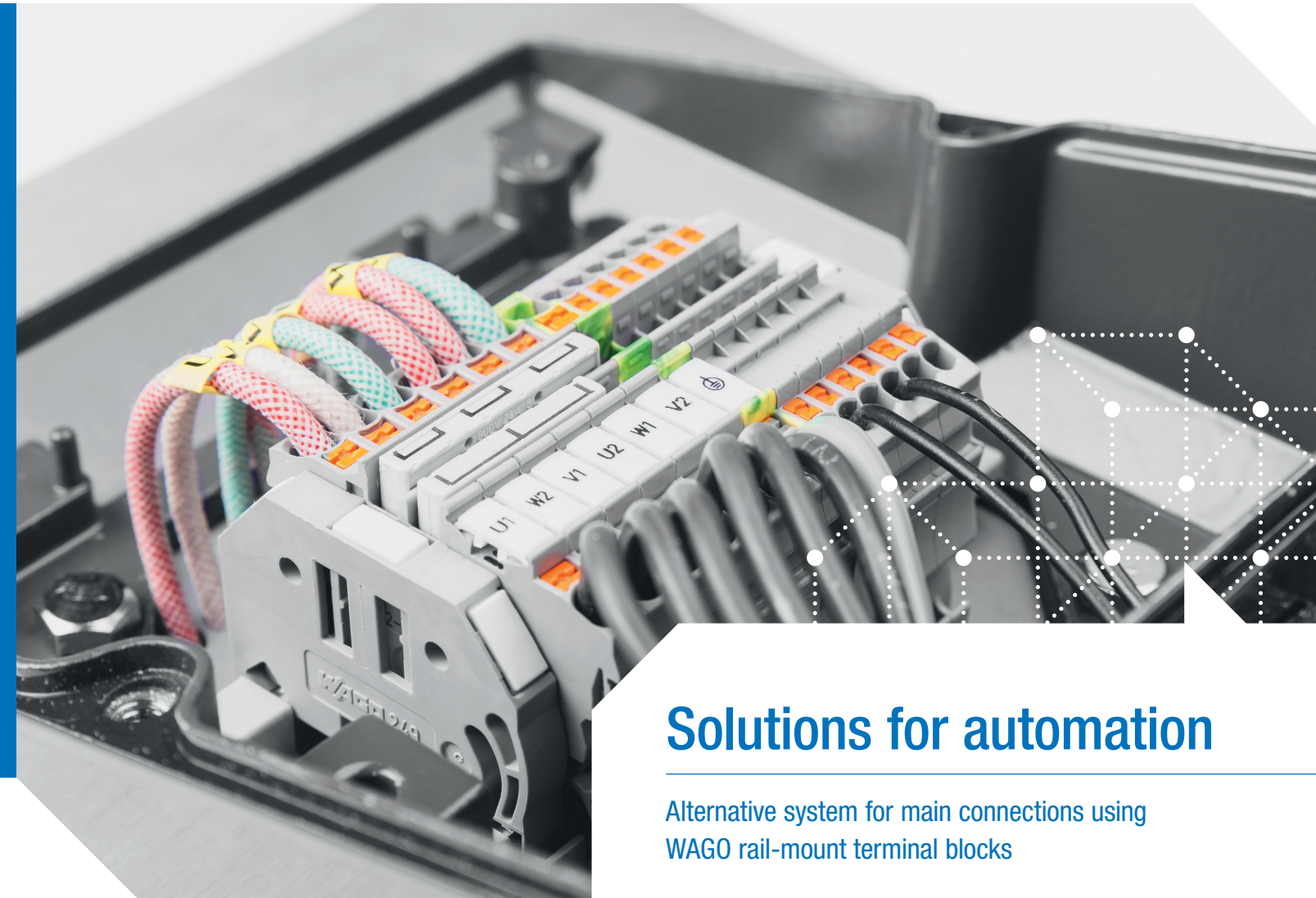
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Solutions for automation

Alternative system for main connections using
WAGO rail-mount terminal blocks

VEMoCONTACT

Newly combined: Uniform connection system from the motor to the switch cabinet
Conductor cross-section for WAGO rail-mount terminal blocks 1.5 mm² – 16 mm² solid (up to 25 mm² flexible), depending on output/voltage

Three-phase asynchronous motors with squirrel-cage rotor

Voltage range up to 800 V
Sizes 112 ... 225
Output range 4 – 45 kW
Efficiency class up to IE3
Including pole-changing combinations

Three-phase motors for marine use

Voltage range up to 800 V
Sizes 112 ... 225
Output range 4 – 45 kW
Efficiency class up to IE3
Seawater protection in accordance with various classification societies

- DNV/GL (from 2019)
- Bureau Veritas (BV)
- Lloyds Register of Shipping (LRoS)
- American Bureau of Shipping (ABS)
- Russian Maritime Register of Shipping (RMRS)

Explosion-protected motors

Voltage range up to 500 V
Sizes 132 ... 225
Output range 5.5 – 45 kW
Efficiency class up to IE3
Explosion protection types:

- Increased safety “eb” (old “e”)*
- Increased safety “ec” (old “n”)
- Protection by enclosure “tb” Zone 21*
- Protection by enclosure “tc” Zone 22

* currently filed

Permanent-magnet synchronous motors for converter-fed operation

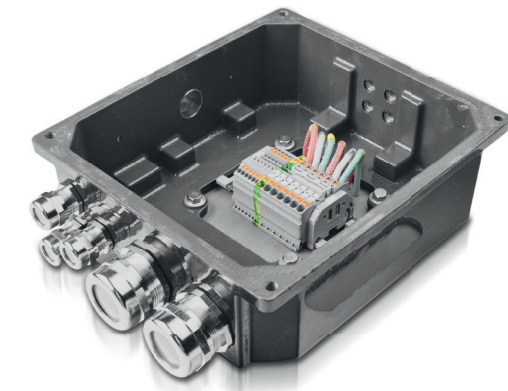
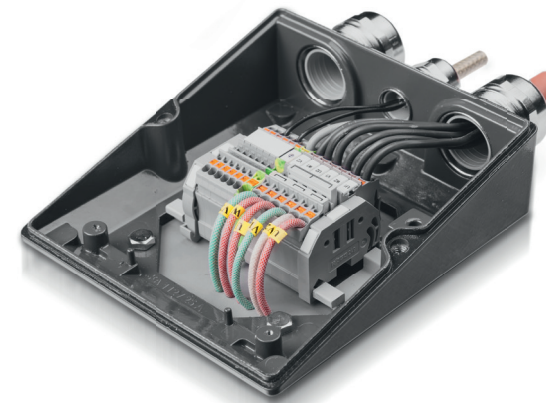
Voltage range up to 800 V
Sizes 132...225
Output range 5.5 – 45 kW
Efficiency class up to IE5

- Ultra Premium Efficiency motors
- High-power motors

Motors in accordance with foreign regulations

Voltage range up to 600 V
Sizes 132 ... 225
Output range 5.5 – 45 kW

- USA (UL-approved)
- Canada (CSA-approved)



Benefits of the new connection system using WAGO rail-mount terminal blocks:

- No cable lugs necessary (solid conductors with end ferrule or simply flexible conductors)
- Safe handling, as there are no exposed electrical conductors as motor connections in the terminal box
- Simple plug-and-play connection via push button
- All circuit variants can be achieved in the same way as with a standard terminal board (push-in jumpers)
- Significantly higher resistance to vibration and shocks compared to a stud terminal board
- Up to 4-line labels for terminals
- All standard approvals (Ex, marine use, CSA, UL, etc.)
- The rail-mount terminal block system unites main and auxiliary motor connections on one terminal block
- Same modern, fast and safe connections as in switchgear engineering

