

WAGO[®] innovative

New Product Highlights
Issue 2/2013



One Profile, Many Possibilities – Wide Industrial Housing

JUMPFLEX®, 2857 Series Still the Benchmark



Pluggable connection technology

No rewiring required in case of maintenance



Commoning, not discrete wiring

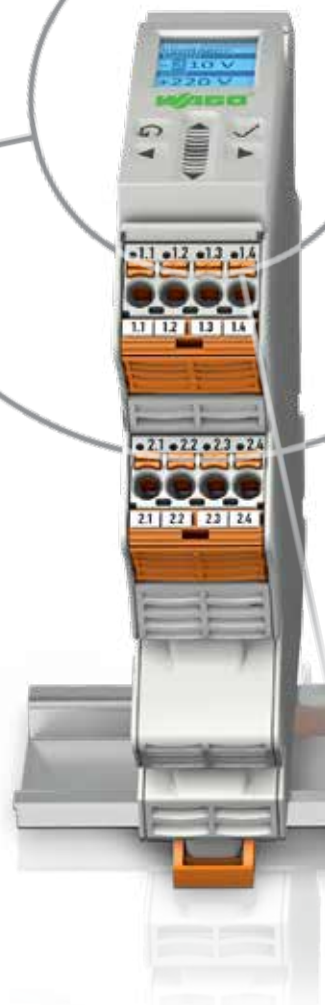
Jumpers are compatible with 857 Series
via modules sharing the same lower profile



Lock-out seal option

Configuration protected against manipulation

- Jumpers compatible with 857 Series
- Innovative, removable configuration display for all 2857 Series modules
- Clear identification via many marking options
- Comprehensive configuration options



Configuration
via PC software



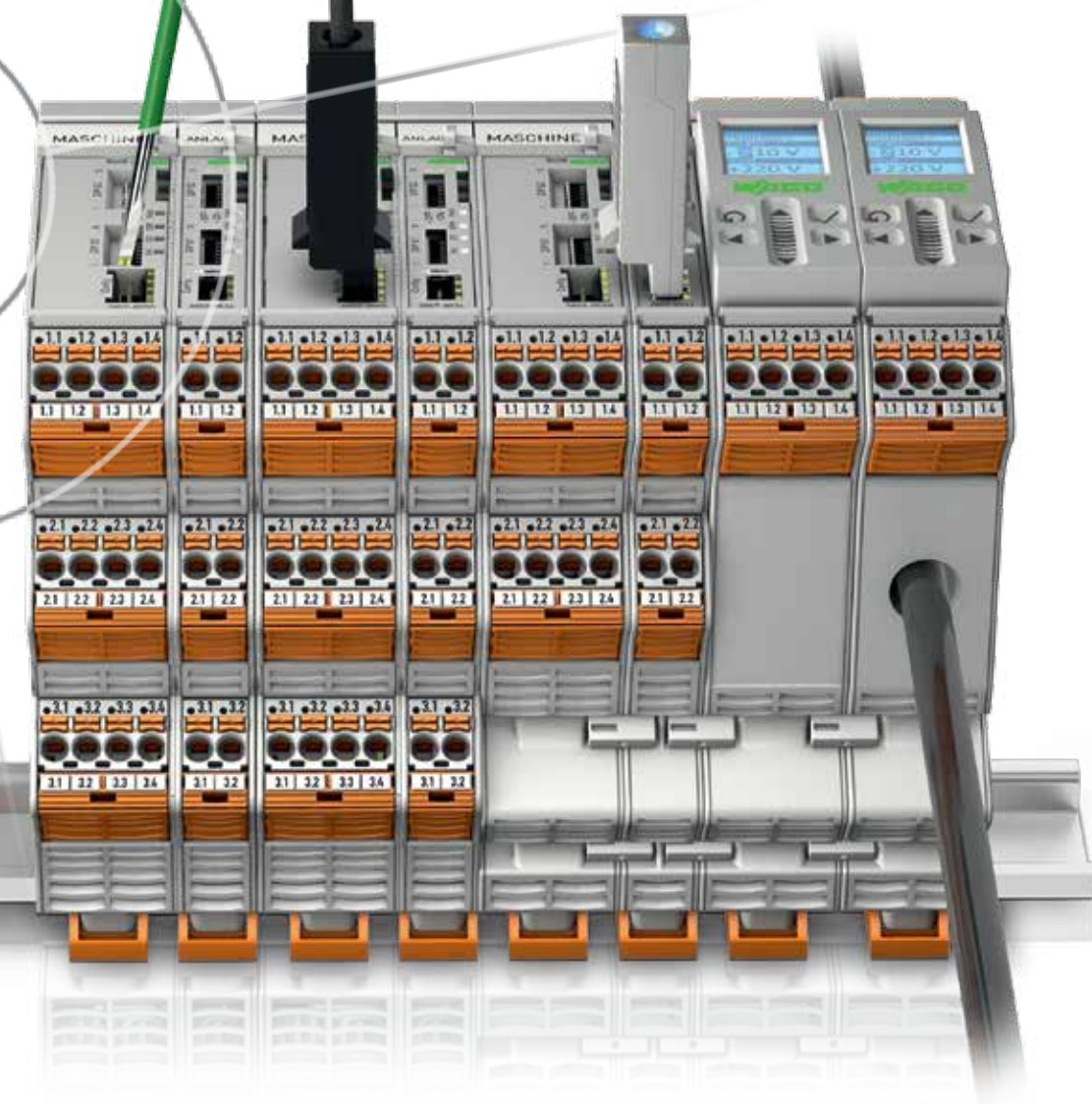
Configuration via
JUMPFLEX®-ToGo
smartphone app



Configuration
via DIP switch



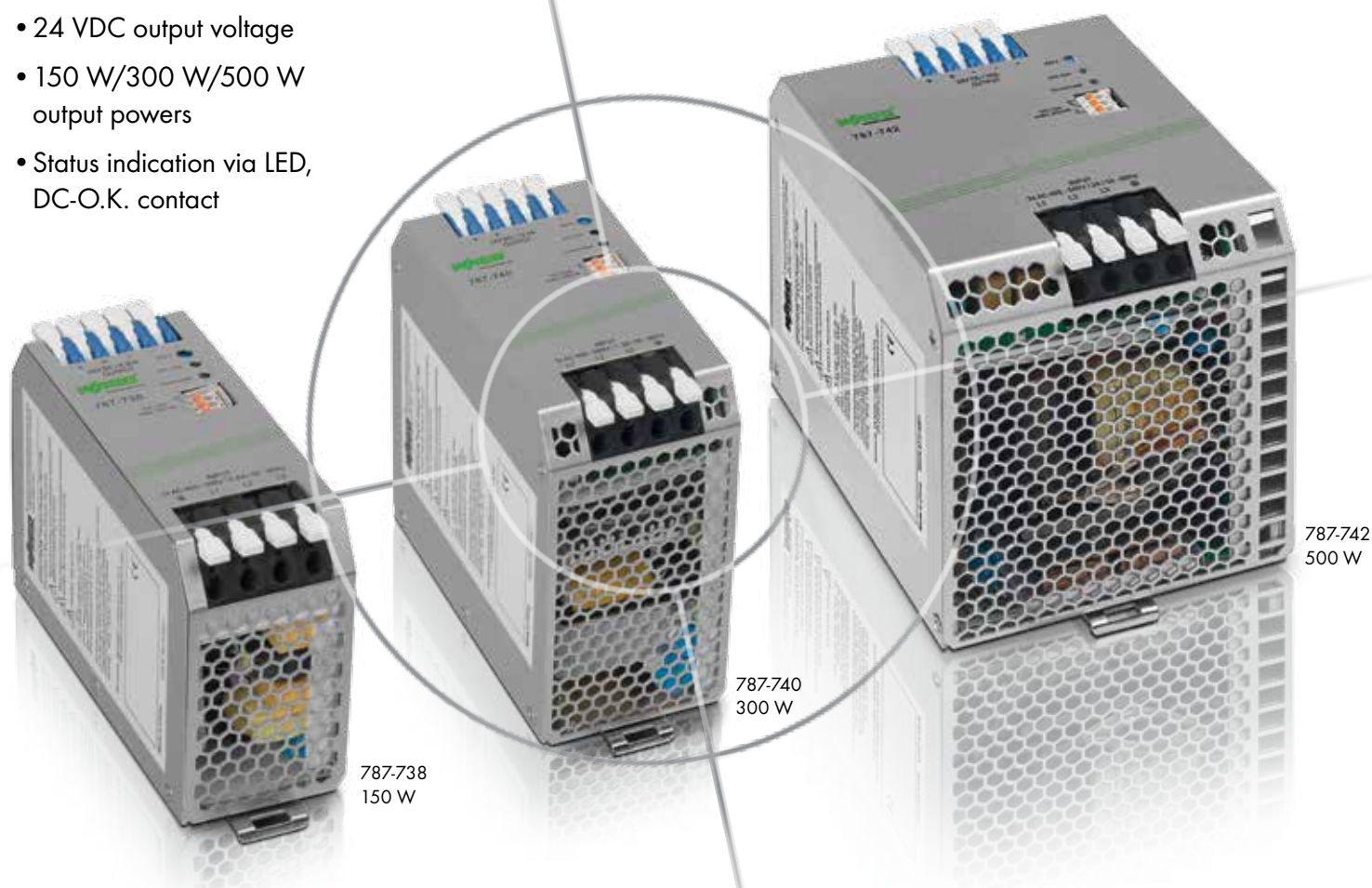
Easy configuration
via innovative,
capacitive display



Economical Power Supply for Standard Applications

EPSITRON® ECO Power, 3-Phase

- 3-phase power supplies (320–575 VAC)
- 24 VDC output voltage
- 150 W/300 W/500 W output powers
- Status indication via LED, DC-O.K. contact



- Cost-effective solution both for purchase and operation
- Space-saving, compact design
- Reliable, tool-free spring pressure termination
- Control and monitoring

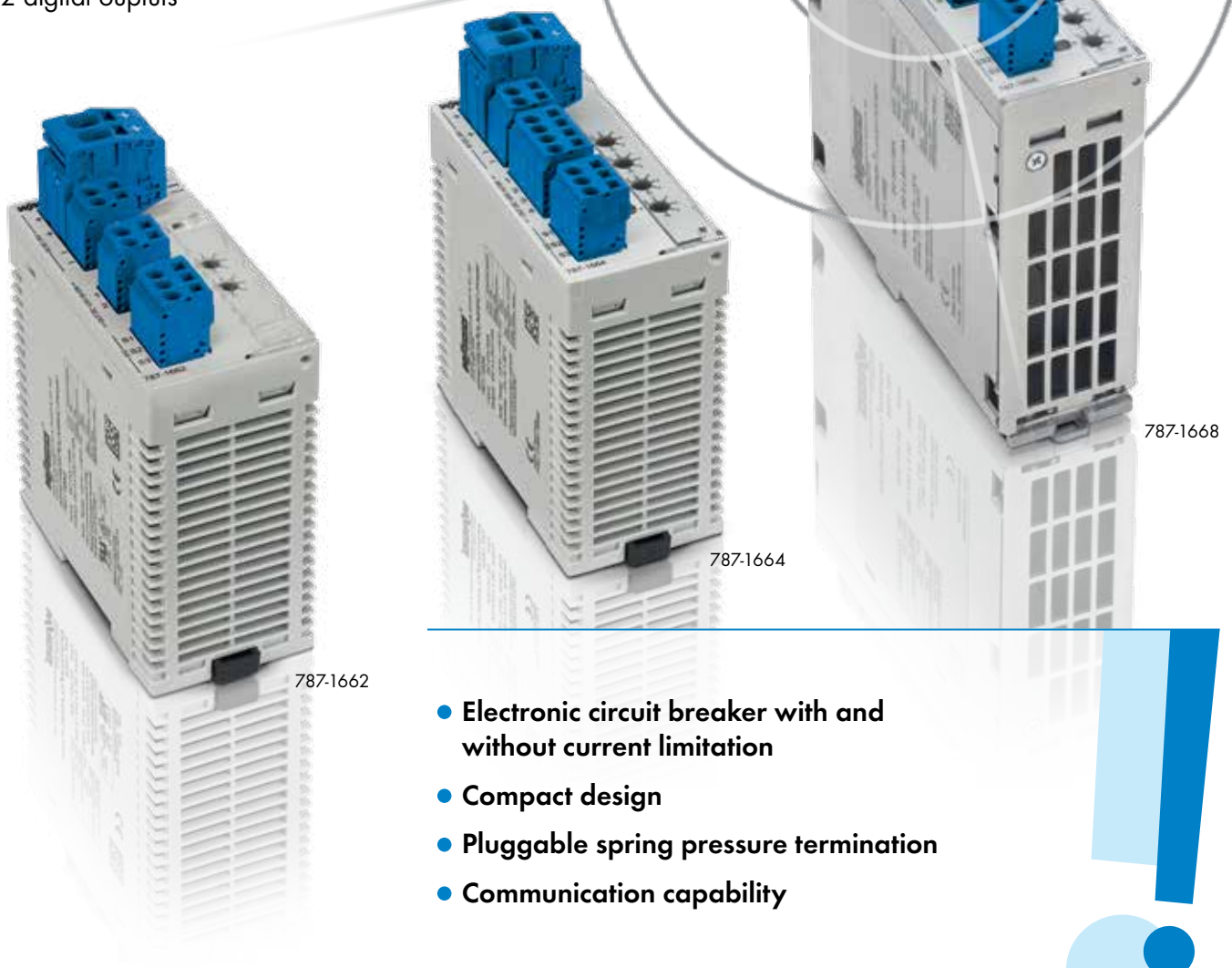
Advance notice: Publication in online catalog by December 2013
(787-738, 787-740) and February 2014 (787-742)

Safe, Compact and Communicative Circuit Protection

AUTOMATION

EPSITRON® – Electronic Circuit Breakers

- 2-, 4- or 8-channel, 24 VDC electronic circuit breakers
- Adjustable nominal currents: 2–10 A, 1–6 A, 0.5–6 A
- Switch-on capacity > 50000 µF per channel
- Pluggable CAGE CLAMP® connection technology
- Communication via 1 digital input and 2 digital outputs



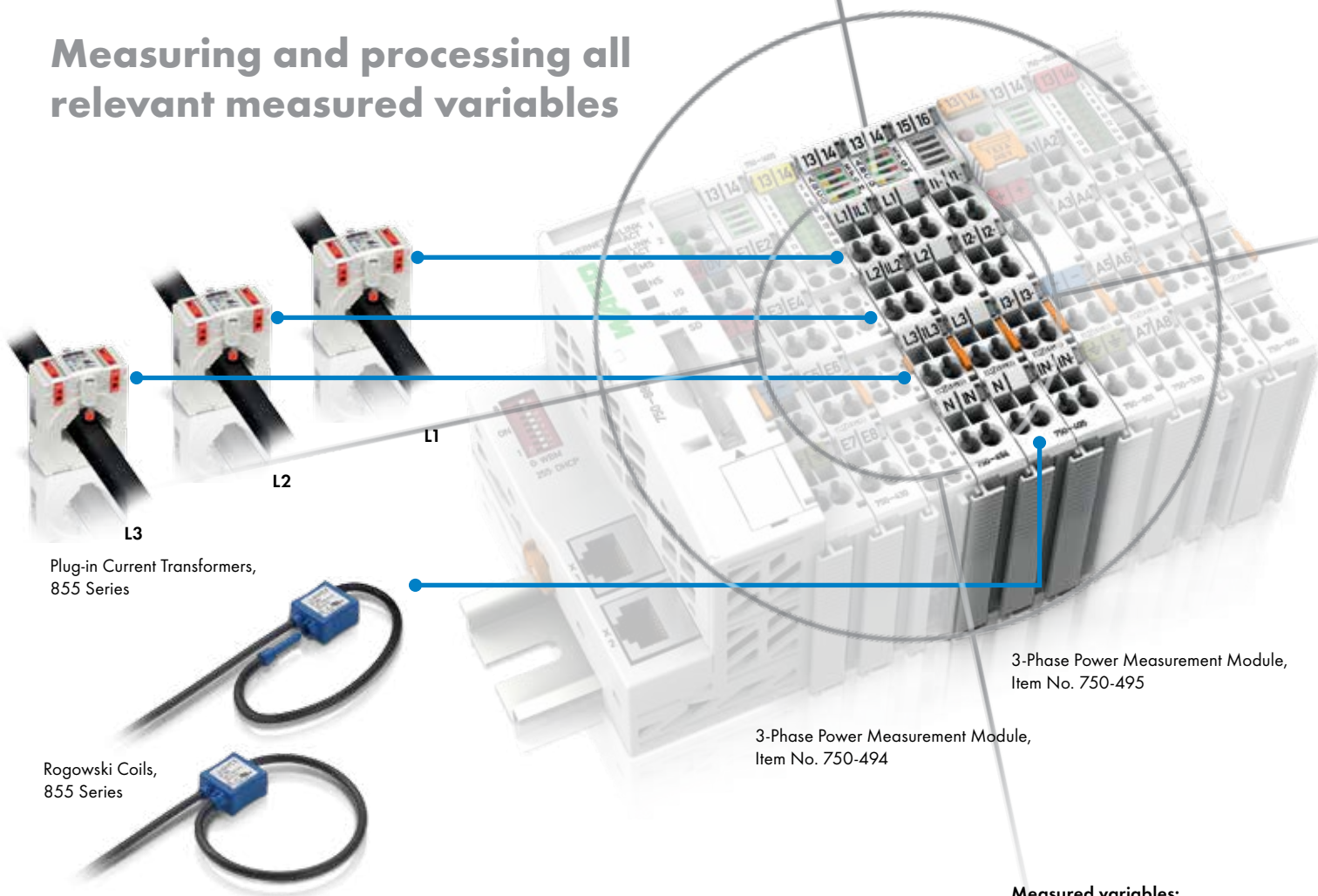
- Electronic circuit breaker with and without current limitation
- Compact design
- Pluggable spring pressure termination
- Communication capability

Advance notice: Publication in online catalog by November 2013

Measuring Energy Consumption and Reducing Energy Costs via WAGO-I/O-SYSTEM

Comprehensive Network Analysis via 3-Phase Power Measurement Modules

Measuring and processing all relevant measured variables



Measured variables:

- Energy consumption
- Voltage
- Current
- Active energy/power/factor
- Phase position
- Reactive power/energy
- Apparent power/energy
- Rotary field detection
- Power factor
- Four-quadrant operation
- Harmonic analysis (up to the 41st harmonic)
- PEN conductor measurement

- Measuring energy consumption values of machines and systems
- Comprehensive network analysis
- Connection to the WAGO-I/O-SYSTEM: fieldbus-independent, compact and flexible

Mobile Operation & Monitoring of WAGO Controllers



- Available for iPhone & iPad (iOS), as well as smartphone & tablet (Android)
- Provides access to Web pages of CODESYS 2 Web Visu
- Supports WAGO's PFCs, IPCs and panel PLCs

Maintenance-Free Solution for Small Control Applications

ETHERNET ECO Controller

- Excellent price/performance ratio
- Easy configuration via Web server
- Fieldbus standards:
MODBUS/TCP and ETHERNET/IP
- Maintenance-free design



ETHERNET ECO Fieldbus Controller,
Item No. 750-852

New PROFINET IO Features for WAGO-I/O-SYSTEM

AUTOMATION

Fieldbus Couplers: PROFINET IO advanced and PROFINET IO advanced ECO

PROFI
NET



PROFINET IO advanced
Fieldbus Coupler,
Item No. 750-375



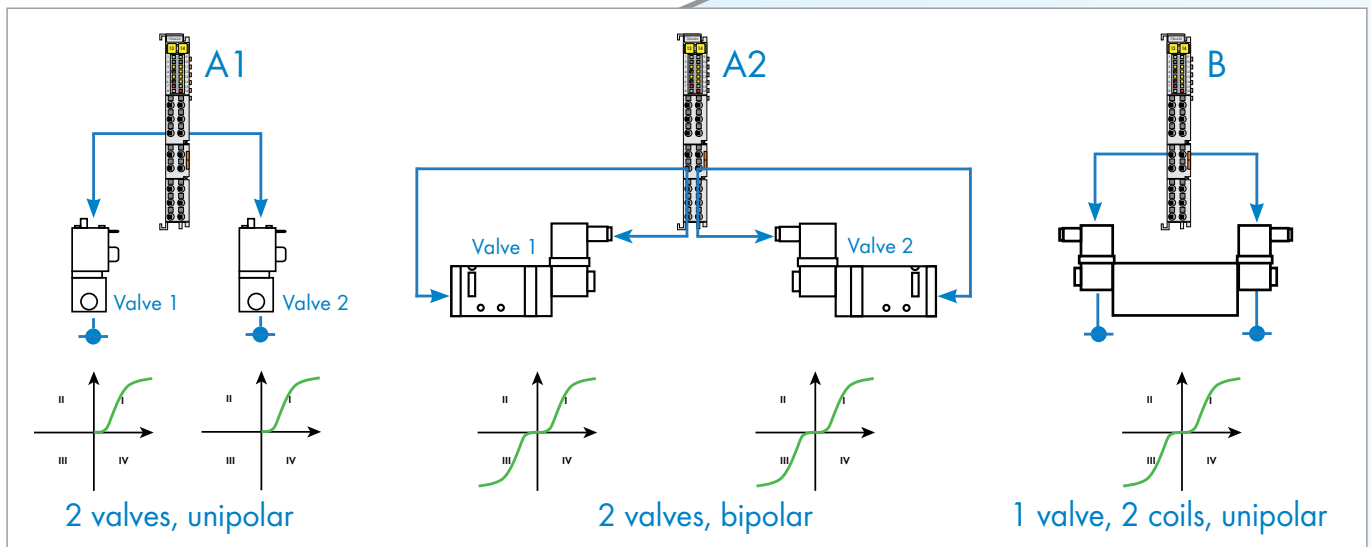
PROFINET IO advanced
ECO Fieldbus Coupler,
Item No. 750-377

- Efficient energy management
→ PROFenergy
- Safety-related applications
→ Safety integrated
- Separation of standard and safety functions
→ Shared device

Valves under Control

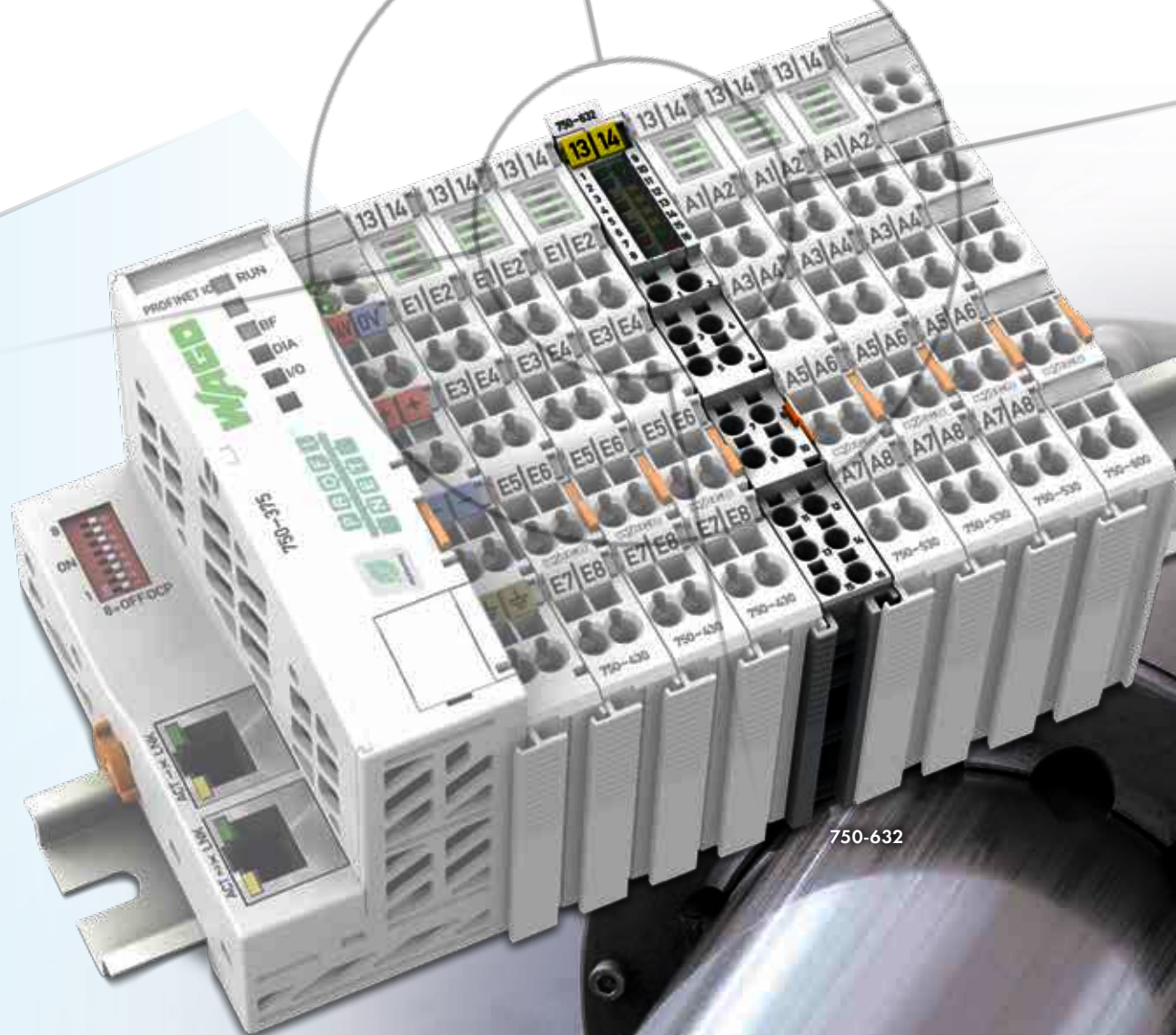
Proportional Valve Module for Valves Control

- Two current-controlled PWM* outputs
- Ramp function
- Two Operating modes:
 - 2 channels with 1.6 A
 - 1 channel with 2.0 A
- Two additional digital function inputs



- Flexible and easy valves control
- Precise current control
- Easy scaling and valve adjustment
- Maximum performance, minimum size
- Connection to many fieldbus systems

*PWM = Pulse width modulation



750-632

Full Flexibility

Modular Empty Housing, 2857 Series

- Housing width: 12.5 and 22.5 mm
- Flexible conductor termination via CAGE CLAMP® S connection technology
- picoMAX® female connectors, 2- and 4-pole, 5 mm pin spacing

Pluggable picoMAX® connections ●

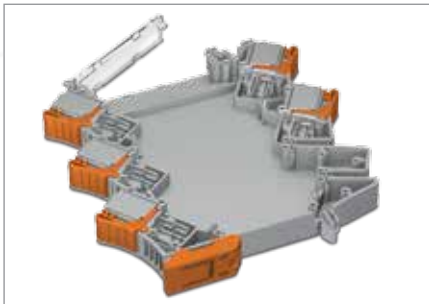
Fixed picoMAX® connection ●

Empty slot without connection technology ●

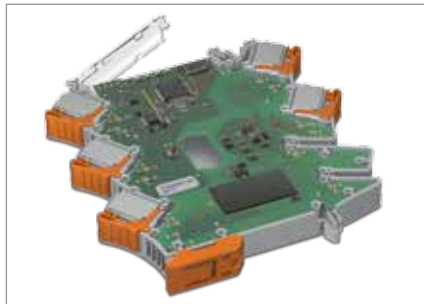
... freely selectable for each clamping point

- Pre-assembled unit saves installation time
- High flexibility via custom configuration of connection levels
- Various marking options available
- Suitable for railway applications

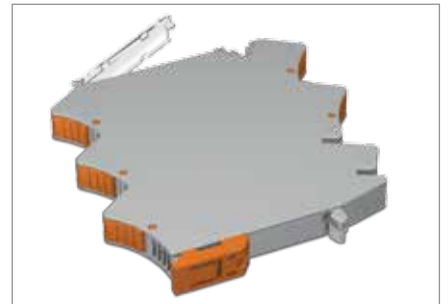
Pre-assembled unit saves installation time



Pre-assembled unit



Inserting and soldering
the PCB



Snapping on side wall

Various marking options available



WMB, WMB Inline



Marking strips



Micro-WSB on enclosure cover
and ejector

TOPJOB® S Jumper System

Ready to Solve Any Commoning Tasks

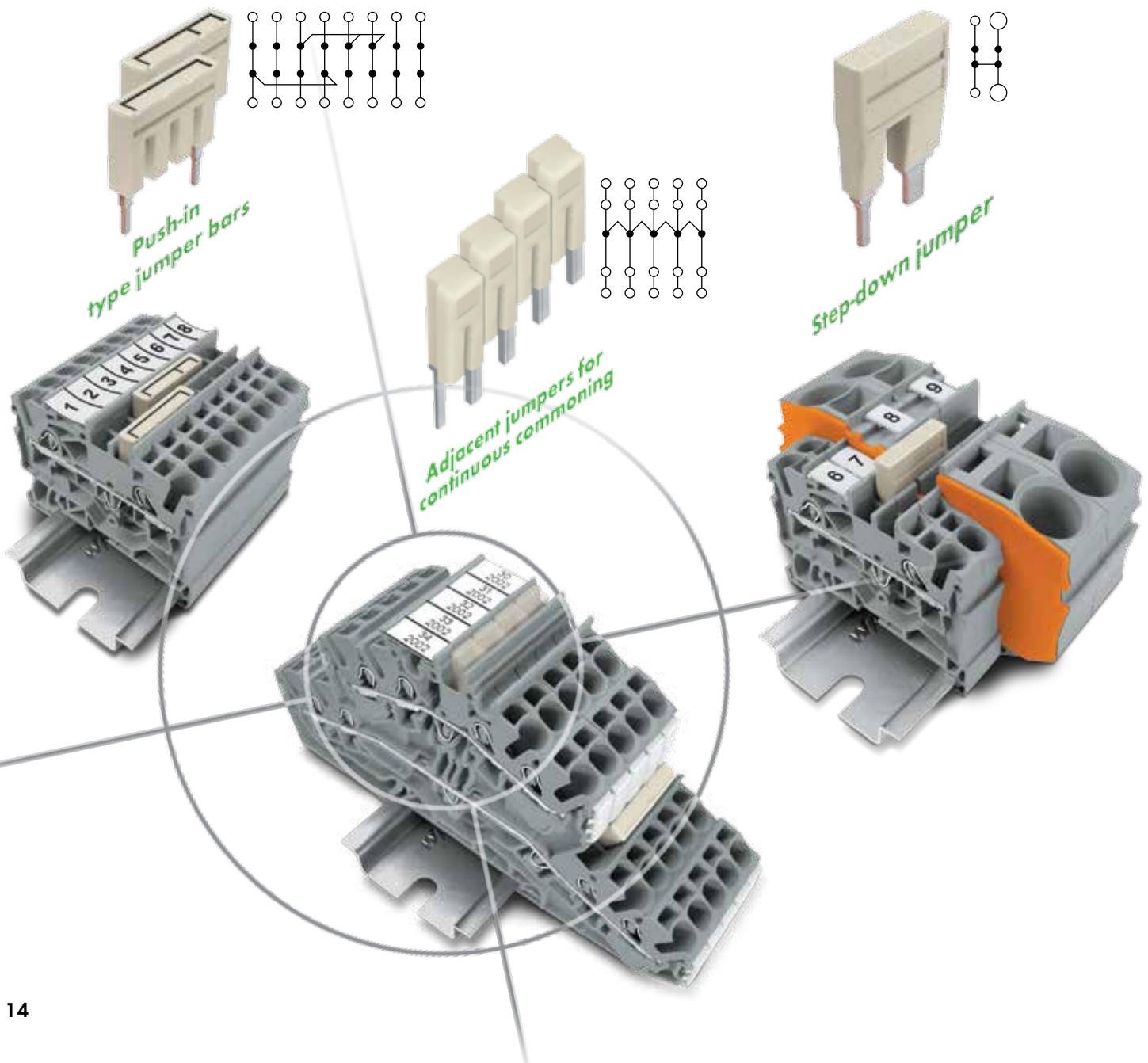
WAGO's range of jumpers provide the greatest possibilities and convenience:

Multi-pole **push-in type jumper bars** can be customized to suit your specific needs. Tailor jumpers by simply breaking out individual contact lugs! Need endless potential multiplication in a single jumper slot?

With our **adjacent jumpers for continuous commoning**, this is possible – no problems or limits!

Our **step-down jumpers** easily combine conductors of varying sizes.

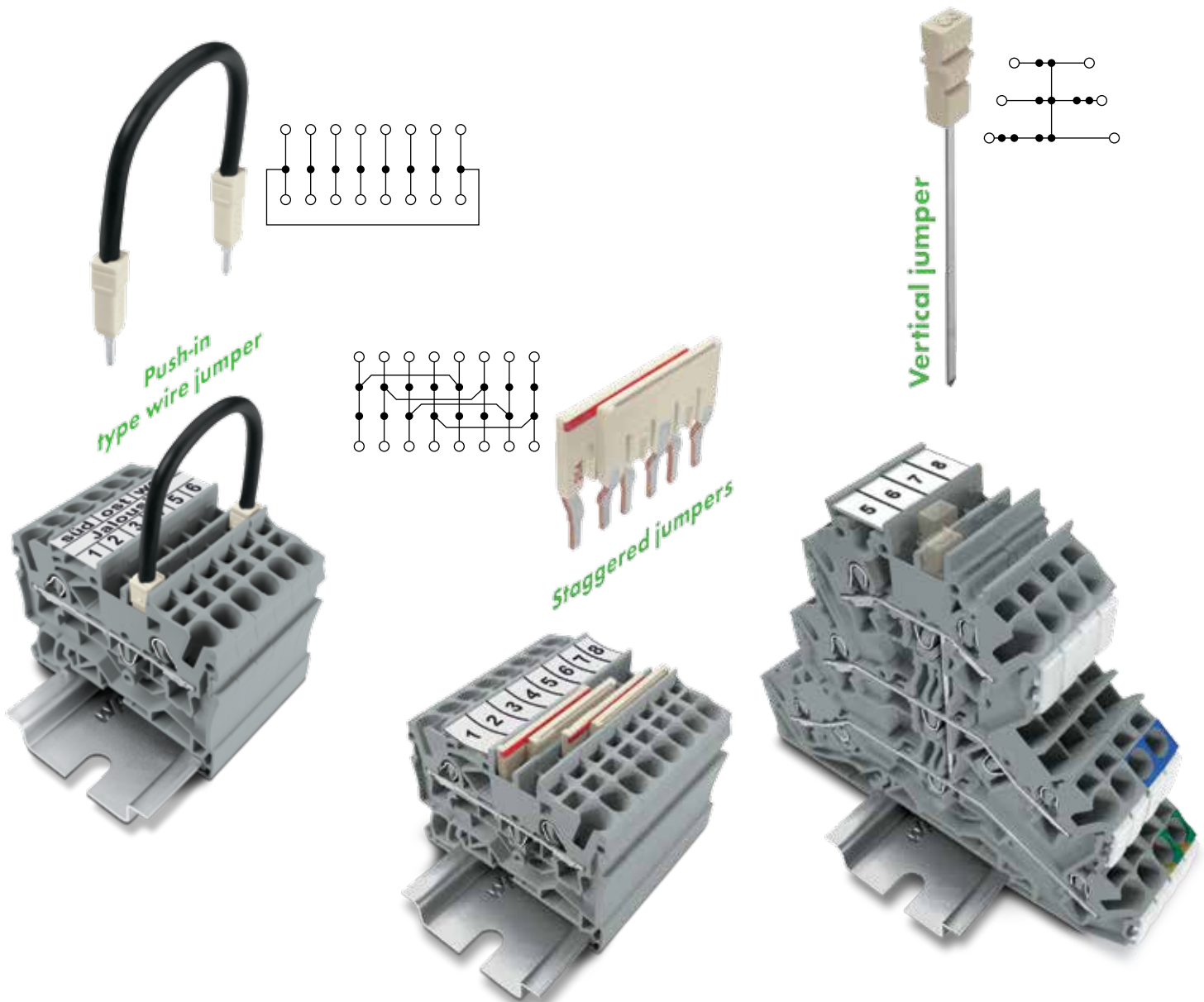
Using **push-in type wire jumpers**, jumper contacts can be connected with different spacing and heights to your specific requirements.



Staggered jumpers allow you to accommodate different potentials in a single jumper slot along side each other.

Just like push-in type jumper bars, they can be customized to suit your specific needs. The perfect solution for multilevel terminal blocks: **Vertical jumpers** easily connect two or three levels.

- Comprehensive jumper system for virtually any application
- Custom jumpers can be created
- Simple, easy-to-use design





Additional information at www.wago.com

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