

AUTOMATION

**ELECTRICAL
INTERCONNECTIONS**

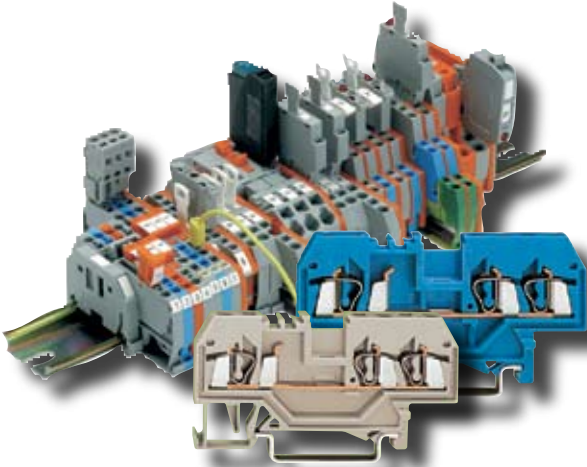


• **Get to know...**

• **...the leader in Spring Pressure technology**

WAGO®
INNOVATIVE CONNECTIONS

Rail Mount Terminal Blocks



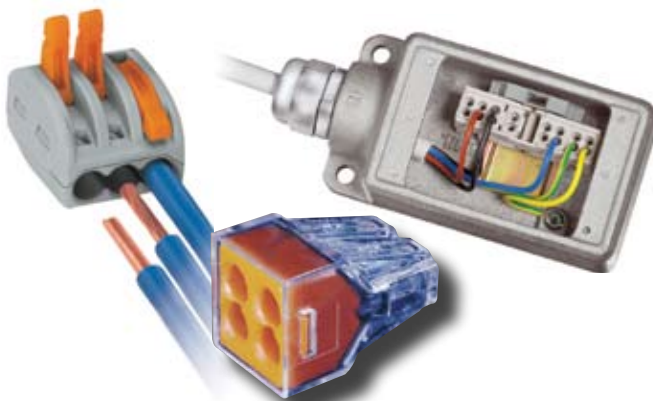
- Accepts broad wire range of 28 AWG - 4/0 – for both solid and stranded conductors.
- For applications up to 600V and 200A.
- Feed through functions include 2, 3, 4, and 6 conductor blocks, single, double and triple level configurations, and ground terminal blocks.
- Application specific functions include; fuse holders, disconnects, built-in diodes or surge suppression, pluggable connectors, sensor/ actuator terminal blocks, and hazardous location rated terminals.
- Broad range of accessories includes; marking systems, jumpers (standard, staggered, step-down), shield connection, end stops, assembly covers, and test plugs.
- Connection Technology – CAGE CLAMP®, CAGE CLAMP Compact, FIT CLAMP, POWER CLAMP, CAGE CLAMP®S.

Chassis Mount Terminal Blocks

- Accepts broad wire range of 28 – 12 AWG – for both solid and stranded conductors.
- For applications up to 600V and 20A.
- Available in 2 and 4 conductor versions.
- Both Modular and fixed configurations.
- Unique features such as push-button connections and integrated ground contact.
- Modular solutions allow for color coding via multi-colored terminal slices.
- Flexible mounting options – screw flange, built-in mounting rivets, transformer bobbins, and rail mounting.
- Broad range of accessories includes: multiple marking systems, jumpers, and test plugs.
- Connection Technology – CAGE CLAMP®, CAGE CLAMP compact, CAGE CLAMP®S, and LEAF SPRING.



Splicing Connectors (773 & 222 Series)



773 Series

- Push-in leaf spring connection technology.
- Accepts 10-18 AWG – stranded and solid wire (restrictions apply – consult factory).
- 2, 3, 4, 6, and 8 conductor versions.
- Clear housing for connection inspection.
- Built-in test point for easy circuit testing.

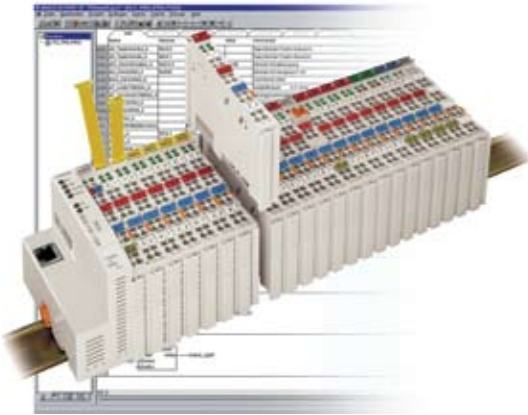
222 Series

- Lever actuated CAGE CLAMP® connection.
- Accepts 28-12 AWG – stranded and solid wire.
- For applications up to 600V and 20A.
- 3 and 5 conductor versions available.
- Built-in test point for easy circuit testing.

Worldwide Approvals:



The WAGO I/O SYSTEM



- Programmable Fieldbus Controllers and Industrial PC's for stand-alone and distributed control or data collection.
- Variety of Fieldbus Couplers (network adapters) – Classic, ECO-nomy, and Compact.
- Support for more than 16 different fieldbus protocols including; Ethernet, DeviceNet, Profibus, Modbus, etc.
- Over 200 digital, analog, and special function (serial, counter, pulse width, haz-loc, and safety) I/O modules.
- Granular, rack-less, and compact I/O module design.
- Solutions for both IP-20 and IP-67 (water tight).
- Software tools – WAGO-I/O-PRO (IEC 61131 programming tool), WAGO-I/O-CHECK (diagnostic and documentation), WAGO-DLL, and WAGO-OPC.
- Connection Technology - CAGE CLAMP®, and CAGE CLAMP Super Compact.

Switching Power Supplies

- Meets global requirements with universal input on both single phase and three phase versions.
- Broad output range – up to 960W (@ 24V).
- Industrial grade, metal, DIN rail mount housing offers ventilated, compact design.
- Built-in protection against short circuit, thermal overload and/or surge.
- High operating temperature without derating – up to 120 degrees Fahrenheit.
- Meets stringent standard for safety and interference.
- Pluggable connectors reduce installation time.
- Connection Technology – CAGE CLAMP®.



Convenient Power Outlets



- Provides a convenient power source in the control cabinet for laptops, lighting, test equipment, etc.
- Available in standard duplex, 20A duplex, GFCI, Isolated ground, switched controlled duplex, switched box, international duplex, and custom solutions.
- No assembly required – just mount on DIN rail and connect power to built-in connectors (826 or 721 Series).
- Integrated safety features such as orienting the ground pin on the top to prevent inadvertent shorting.
- Available with both pluggable and fixed connections.
- Connection Technology - CAGE CLAMP®, CAGE CLAMP®S.

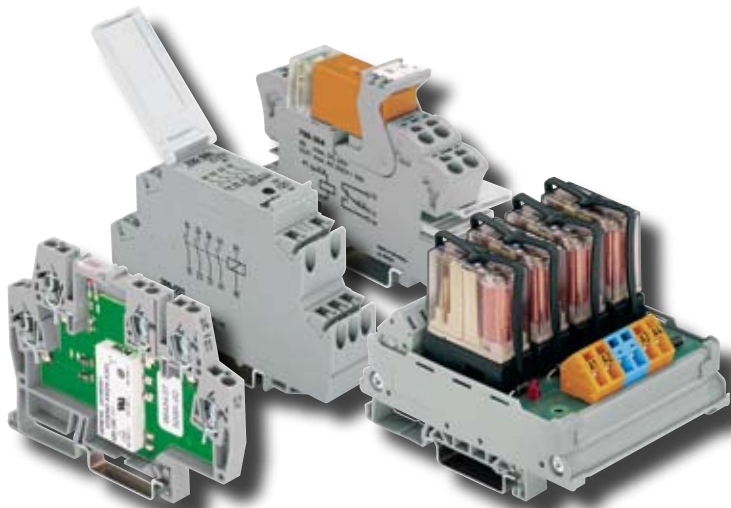
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LCIE ABS



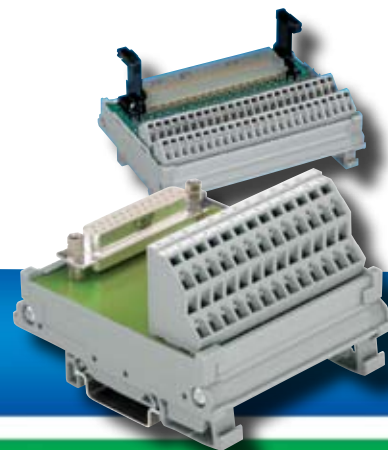
Relay Terminal Blocks and Modules



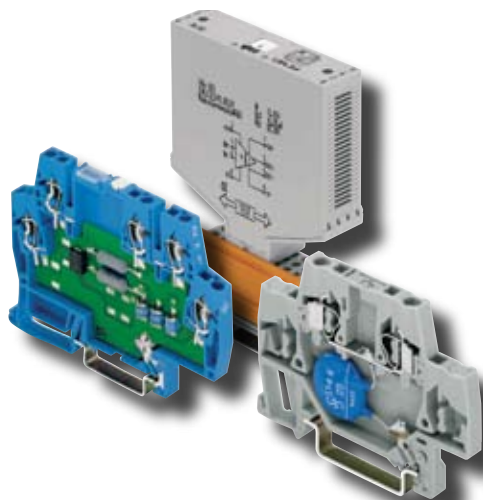
- Broad range of relay technology including: Mechanical, Optocoupler, Safety, Latching, Bi-stable, Timer, as well as custom relay solutions.
- Many standard configurations from single pole/ single throw to four pole/ double throw.
- For applications requiring 5V to 230V and up to 16A.
- Both pluggable and fixed relays available.
- Clear separation of coil and load connections.
- Integrated functions such as status indicators and polarity reversal protection.
- High degree of isolation between input and output.
- Broad range of accessories includes; marking system, jumpers, and test plugs.
- Connection Technology - CAGE CLAMP®, CAGE CLAMP compact, and CAGE CLAMP®S.

Interface Modules

- Unlimited range of connector solutions including; D-sub, ribbon cable connectors, DIN, and centronics.
- Prefabricated cables for popular PLC, Drive, and Motion Control brands.
- Integrated functions such as fuse holders, LED's, diode networks, relays, disconnects, etc.
- Available with and without mounting carrier – all interface modules come standard with DIN rail mount feet.
- Options for pluggable or fixed field connections.
- Marking options for both wiring and module identification.
- Custom solutions built to your specifications.
- Connection Technology – CAGE CLAMP®, CAGE CLAMP®S, and LEAF SPRING.



Signal Conditioning & Surge Protection



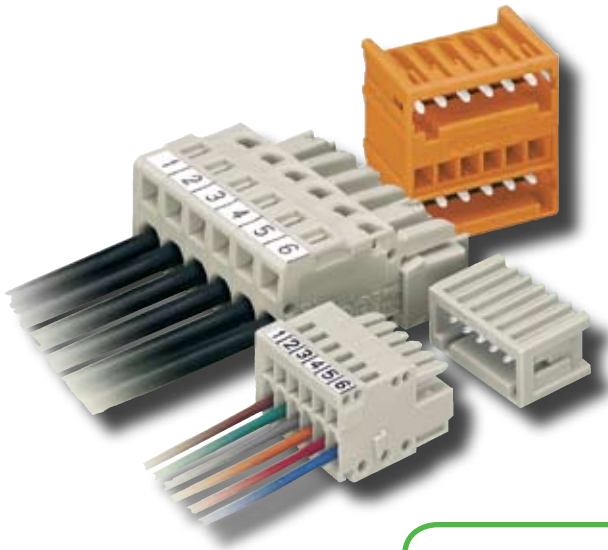
Signal Conditioning:

- 0-10V, 0-20mA, and 4-20mA analog conditioning.
- DC to DC, A/D, and D/A converters.
- High degree of isolation between input and output.
- Pluggable modules for quick installation and change out.
- Connection Technology - CAGE CLAMP®.

Surge Protection:

- Protection against transient and overvoltage conditions in both DC and AC circuits.
- Surge technologies include Metal Oxide Varistors, suppression diodes, and/or gas tube arrestors.
- Available with warning indication of strike absorbed.
- Versions with up to three stages of protection.
- Connection Technology - CAGE CLAMP® and CAGE CLAMP compact.

Multi Connection System



- Approved for 28-8 AWG, up to 600V and 40A.
- Variety of mounting options including PCB, through panel, DIN-rail, chassis, and flying lead.
- PIN spacing from 0.098 to 0.3 inches.
- Vertical and horizontal orientation of the plug or header.
- Combinations for coding or keying plugs and headers.
- Multi-level headers, as well as two conductor plugs.
- Locking levers or screw-flanges for secure mating.
- Marking system includes direct marking or marker strip.
- Optional accessories include strain relief, jumper, test plugs, operating levers, and lockout caps.
- Connection Technology - CAGE CLAMP® and CAGE CLAMP®S.

Printed Circuit Board Connectors

- Accepts a broad range of wire sizes 28-6 AWG.
- For applications up to 600V and 65A.
- Available as standard feed through, multi-level (2-4), various wire entry angles, many colors, fuse holder, and disconnect.
- Actuation via standard screwdriver, push-in, or lever.
- Modular assembly for greater design flexibility.
- PCB connection technology - Through Hole Technology, Through Hole Reflow, Surface Mount Technology, and Press-In Technique.
- Connection Technology - CAGE CLAMP®, LEAF SPRING, CAGE CLAMP®S, and IDC.



WINSTA - Modular Wiring System



- Approved for 20-12 AWG, up to 600V and 20A.
- Available in 3, 4, and 5 pole connectors with 2 connections per pole, as well as power distribution, phase selector, and distribution box configurations.
- Flexible mounting options include flying lead, PCB mount, through panel, and chassis mount.
- Options for coding/keying, integrated ground connection, strain relief, and locking devices.
- Available as pre-fabricated harness or loose connectors.
- Connection Technology - CAGE CLAMP®S.

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ABS

