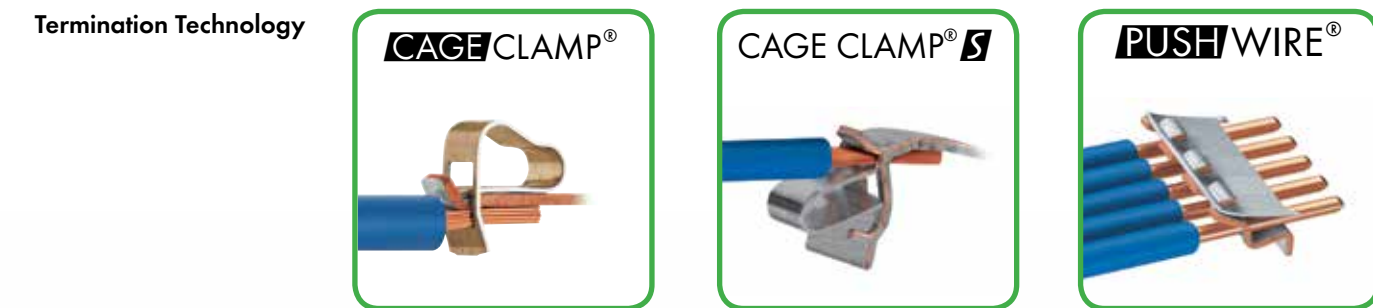


WAGO PCB Connection Philosophy

With a pre-programmed clamping force that adjusts automatically to the wire size (proportional clamping), the WAGO spring pressure clamping technology - in contrast to screw clamp technology - guarantees a reliable connection regardless of the installer's experience. The result is a connection that is vibration-proof, thermal cycling-resistant, corrosion-resistant, maintenance-free, and up to 50% faster than other termination methods.

The Complete Product Range at a Glance

Pin Spacings	2.5 mm - 20 mm (0.098 - 0.787 in)
Conductor Sizes and Types	28 - 6 AWG, solid, stranded, fine-stranded and ferruled copper conductors
Available Styles	Modular terminal blocks, terminal strips, terminal blocks, single deck, double deck, triple deck, or quadruple deck terminal strips, high-current, combination terminal blocks, disconnect terminal blocks for test and measurement, fuse terminal blocks, modular terminal blocks with jumpering option
Actuation Options	Direct actuation with screwdriver, straight push button, angled push button, finger operated lever, locking slide
Connection to PCB	Through-hole technology (THT), Through-hole reflow (THR), PressIn technology, Surface-mount technology (SMT)
Conductor Entry Angles	0°, 30°, 40°, 45°, 90°



Universal connection technology with over 30 years of proven reliability for solid, stranded and fine-stranded conductors.

Handling:
Open clamping unit, insert the conductor, release clamp - done!

"SPECIAL" universal connection technology that combines the benefits of the classic CAGE CLAMP® with the advantages of pushwire connection.

Handling:
For stranded conductors, open clamping unit, insert the conductor, release clamp - done!
Terminate both solid and ferruled conductors by simply pushing them in - no operating tool needed.

PUSHWIRE® connection for solid conductors

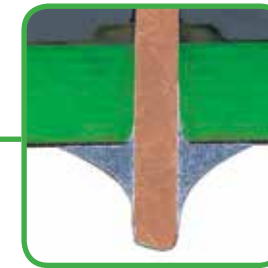
Handling:
Tool-free, twist-free terminations for solid conductors - simply push into unit.

RoHS compliant

Printed Circuit Board Connection Methods

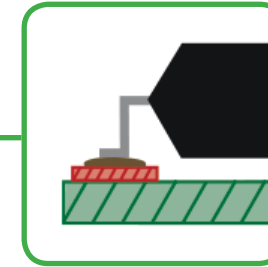
Through-Hole Technology

WAGO PCB mount terminal blocks can be soldered to the board manually or via automated wave solder process. THT is the most widely accepted technology for connecting the terminal block to the PCB.



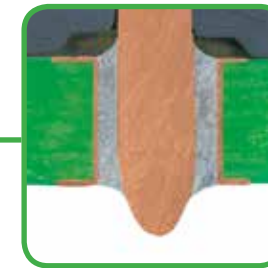
Surface Mount Technology

Surface Mount Technology (SMT) means soldering electronic components directly onto PCB surface pads without drilling holes. The basic SMT process consists of applying solder paste to the PCB via solder dispensing equipment, screen or stencil printing. The surface mount components are then soldered to the board in infrared, convection, or vapor phase ovens.



Through-Hole Reflow

WAGO (THR) terminal blocks are made of a special plastic to withstand the high temperatures experienced in the reflow solder process. THR terminal blocks can be attached to the printed circuit board via the same reflow process used to attach SMT components, offering tremendous time and cost savings.



Press-In Technology

Allows direct connection of WAGO terminal block pins to the printed circuit board without the use of solder. This technology is particularly effective when all other components are pre-applied to the PCB using surface mount technology (SMT). Also great for prototyping.



Colors: black, dark gray, gray, light gray, white, red, orange, yellow, green, brown, blue, violet

The availability of these, and other colors, depends on series and quantity required.



WAGO Service Worldwide

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WAGO Kontakttechnik
Minden
Tel. ++49/571/887/0
Fax ++49/571/887/169

Austria
WAGO Kontakttechnik
Wien
Tel. ++43/1/615/07/80
Fax ++43/1/615/07/75

Belgium
WAGO Kontakttechnik
Zaventem
Tel. ++32/2/7/17/90/90
Fax ++32/2/7/17/90/99

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Rugby
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Fax ++44/1788/568050

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WAGO CONTACT S.A.
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Wroclaw
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WAGO Electronic Pte. Ltd.
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Tel. ++65/62866776
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WAGO CONTACT SA
Domdier
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Queretaro
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+ 52/442/221/5946
Fax + 52/442/221/5063

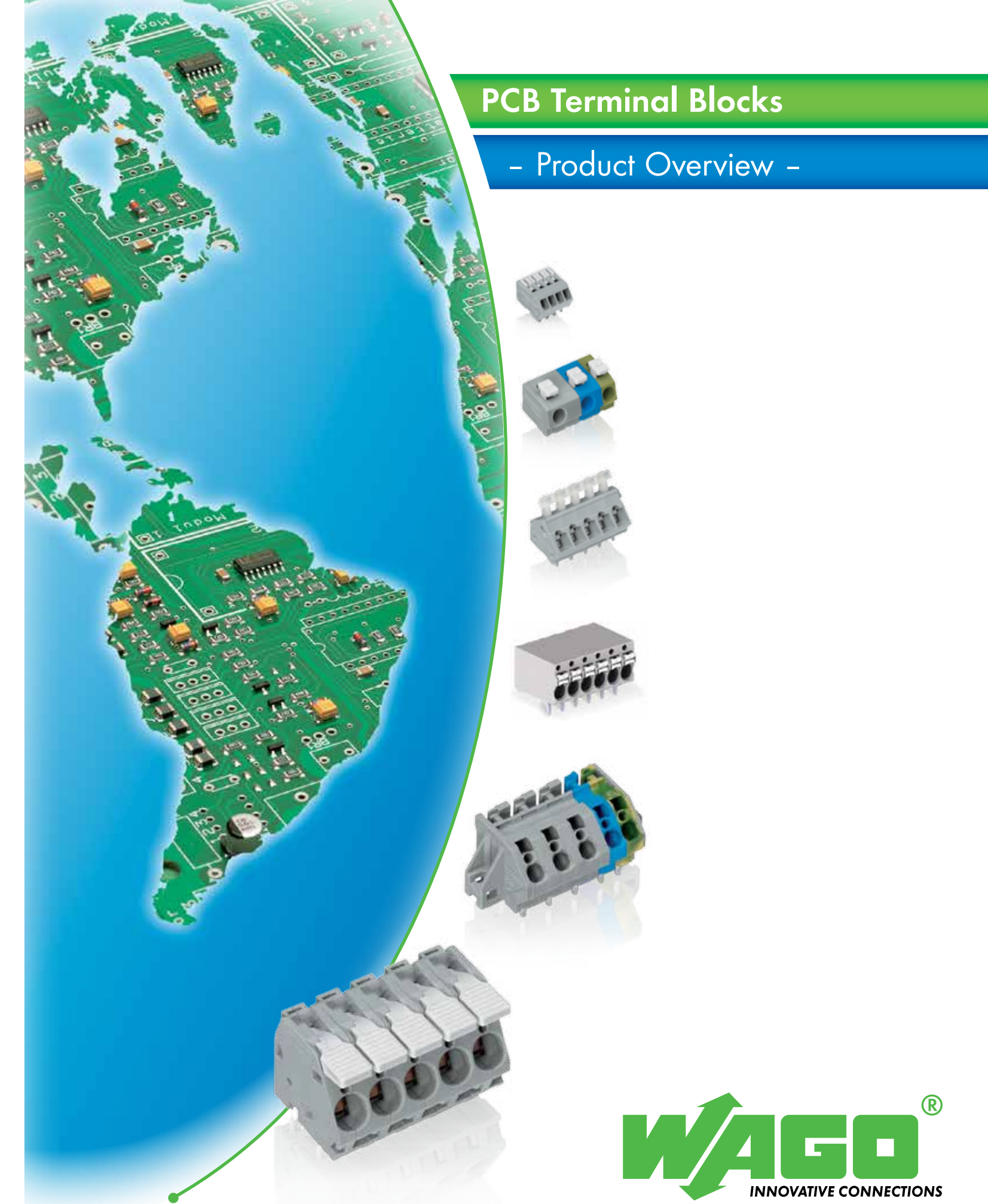
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PCB Terminal Blocks

- Product Overview -



PCB Terminal Blocks

– Product Overview Sorted by Pin Spacing –

2.5 mm, 2.54 mm	3.5 mm, 3.81 mm		3.96/4 mm	5 mm, 5.08 mm				6 mm	7.5 mm, 7.62 mm			10 mm, 10.16 mm			12.5 mm	15 mm	20 mm	Pinstrip connectors
233 Series  CAGE CLAMP® 0.08 – 0.5 mm² / AWG 28 – 20 233-105 218 Series  CAGE CLAMP® 0.08 – 0.5 mm² / AWG 28 – 20 218-104 218 Series  CAGE CLAMP® 0.08 – 0.5 mm² / AWG 28 – 20 218-104/000-604 233 Series  CAGE CLAMP® 0.08 – 0.5 mm² / AWG 28 – 20 233-205 234 Series  CAGE CLAMP® 0.08 – 0.5 mm² / AWG 28 – 20 234-208 250 Series  CAGE CLAMP® 0.2 – 0.5 mm² / AWG 24 – 20 250-412 250 Series  CAGE CLAMP® 0.2 – 0.5 mm² / AWG 24 – 20 250-406/350-604 2080 Series  PUSH WIRE® 2x 0.2 – 0.5 mm² / AWG 24 – 20 2080-506	739 Series  CAGE CLAMP® 0.08 – 1.5 mm² / AWG 28 – 14 739-305 2081 Series  CAGE CLAMP® 0.2 – 1.5 mm² / AWG 24 – 16 2081-1206 2081 Series  CAGE CLAMP® 0.2 – 1.5 mm² / AWG 24 – 16 2081-1226/200-604 805 Series  CAGE CLAMP® 0.2 – 1.5 mm² / AWG 24 – 16 805-106 250 Series  CAGE CLAMP® 0.2 – 1.5 mm² / AWG 24 – 16 250-105 235 Series  CAGE CLAMP® 0.5 – 1.5 mm² / AWG 20 – 16 235-105 744 Series  PUSH WIRE® 0.5 – 1.5 mm² / AWG 20 – 16 744-204 251 Series  FLY CLAMP® PUSH WIRE® 0.5–1.0/1.5mm²/AWG 20–18/16 251-107 and 251-303	2060 Series – Surface-Mount  CAGE CLAMP® 0.2 – 0.75 mm² / AWG 24 – 18 2060-402 2060 Series – Through-Hole  CAGE CLAMP® 0.2 – 0.75 mm² / AWG 24 – 18 2060-1402 235 Series  CAGE CLAMP® 0.5 – 1.5 mm² / AWG 20 – 16 235-205	236 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 236-404 739 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 739-112 Disconnect terminal blocks for test and measurement, 742 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 742-101 736 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 736-106 255 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 255-405 235 Series  CAGE CLAMP® 0.5 – 1.5 mm² / AWG 20 – 14 235-103 235 Series  PUSH WIRE® 0.5 – 2.5 mm² / AWG 20 – 14 235-405 Feedthrough terminal blocks, 741 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 741-112	236 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 236-406/334-604 739 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 739-112/100-000 Terminal blocks with jumper slot, 742 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 742-121 737 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 737-106 256 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 256-405 250 Series  CAGE CLAMP® 0.5 – 1.5 mm² / AWG 20 – 16 250-513 254 Series  PUSH WIRE® 0.5 – 2.5 mm² / AWG 20 – 12* 254-455 Feedthrough terminal blocks, 741 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 231-612/023-000	2061 Series – Surface-Mount  CAGE CLAMP® 0.5 – 1.5 mm² / AWG 22 – 16 2061-602	236 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 236-503 739 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 739-206 745 Series  CAGE CLAMP® 0.2 – 4 mm² / AWG 28 – 12 745-154 736 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 736-505 255 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 255-504 235 Series  CAGE CLAMP® 0.5 – 1.5 mm² / AWG 20 – 14 235-503/331-000 235 Series  PUSH WIRE® 0.5 – 2.5 mm² / AWG 20 – 14 235-503 Feedthrough terminal blocks, 741 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 741-306	745 Series  CAGE CLAMP® 0.08 – 4 mm² / AWG 28 – 12 745-3153 739 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 739-206/100-000 745 Series  CAGE CLAMP® 0.2 – 6 mm² / AWG 24 – 10 745-1354 737 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 737-506 256 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 256-503 250 Series  CAGE CLAMP® 0.5 – 1.5 mm² / AWG 20 – 16 250-606 254 Series  PUSH WIRE® 0.5 – 2.5 mm² / AWG 20 – 12* 254-554	746 Series  CAGE CLAMP® 2 x 0.5–10 mm² / 2 x AWG 20 – 8 746-2305 2706 Series  CAGE CLAMP® 0.5–6 mm² / AWG 20 – 10 2706-104 2706 Series  CAGE CLAMP® 0.5–6 mm² / AWG 20 – 10 2706-154 257 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 257-554 804 Series  CAGE CLAMP® 0.2 – 2.5 mm² / AWG 28 – 12 804-305	236 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 236-603 745 Series  CAGE CLAMP® 0.2 – 6 mm² / AWG 24 – 10 745-1354 736 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 736-706 255 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 255-602 235 Series  CAGE CLAMP® 0.5 – 1.5 mm² / AWG 20 – 14 235-802/331-000 235 Series  PUSH WIRE® 0.5 – 2.5 mm² / AWG 20 – 14 235-802 Feedthrough terminal blocks, 741 Series  CAGE CLAMP® 0.08 – 2.5 mm² / AWG 28 – 12* 741-505	745 Series  CAGE CLAMP® 0.08 – 4 mm² / AWG 28 – 12 745-3254 745 Series  CAGE CLAMP® 0.2 – 6 mm² / AWG 24 – 10 745-1404 2706 Series  CAGE CLAMP® 0.5 – 6 mm² / AWG 20 – 10 2706-304	745 Series  CAGE CLAMP® 0.2 – 6 mm² / AWG 24 – 10 745-1454 745 Series  CAGE CLAMP® 0.2 – 16 mm² / AWG 24 – 6 745-603/006-000 2716 Series  CAGE CLAMP® 1.5 – 16 mm² / AWG 16 – 6 2716-254	745 Series  CAGE CLAMP® 0.2 – 16 mm² / AWG 24 – 6 745-653/006-000	252 Series  PUSH WIRE® 2 x 0.4–0.8 mm Ø/2 x AWG 26–20 252-105 252 Series  PUSH WIRE® 2 x 0.4–0.8 mm Ø/2 x AWG 26–20 252-155 243 Series  PUSH WIRE® 4 x 0.4–0.8 mm Ø/4 x AWG 24–18 243-743 806 Series  CAGE CLAMP® 2 x 0.2–1.5mm² / 2 x AWG 24–16 806-106 picoMAX eCOM 2091/2092 Series  CAGE CLAMP® 0.2–2.5mm² / 2 x AWG 24–12 2091-1176, 2091-1156					



Ex II approval



Press-in technology



Through-hole reflow soldering



Only available in this pin spacing



with jumper slot

* AWG 12: THHN, THWN

Global Agency Approvals and Certifications including: UL1059; UL1977; CSA C22.2 No.158; IEC/EN 60947-7-1; IEC/EN 60998-2; and more. For Approvals information visit www.wago.us.