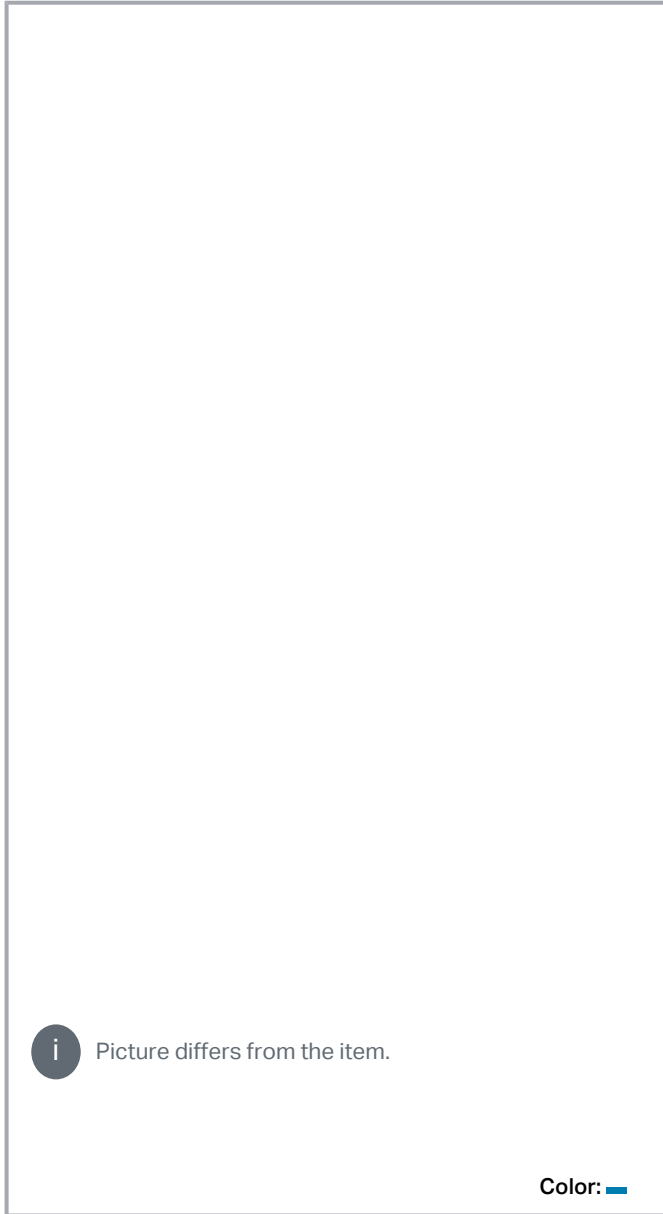


Data sheet | Item number: 235-744/331-000

Stackable PCB terminal block; push-button; 1.5 mm²; Pin spacing 5/5.08 mm;
1-pole; Push-in CAGE CLAMP®; 1,50 mm²; blue



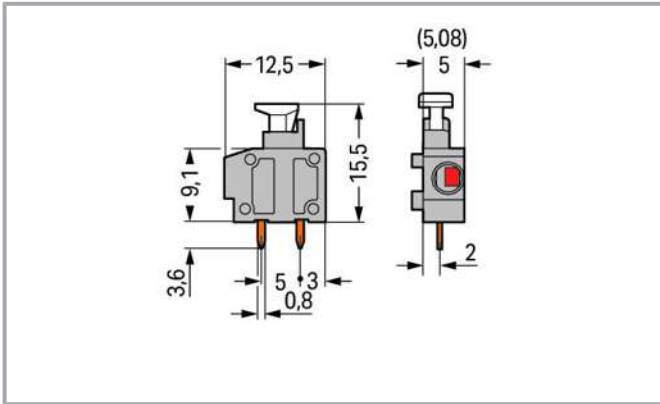
www.wago.com/235-744_331-000



Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

- Modular PCB terminal blocks with push-buttons for custom terminal strip assemblies
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Set to metric or inch pin spacing by compressing terminal strips or pulling them apart

Data

Notes

Variants:

Other colors

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>

Electrical data

IEC Approvals

| Ratings per | IEC/EN 60664-1 |
|-----------------------------|---|
| Rated voltage (III / 3) | 250 V |
| Rated surge voltage (III/3) | 4 kV |
| Rated voltage (III/2) | 320 V |
| Rated surge voltage (III/2) | 4 kV |
| Nominal voltage (II/2) | 630 V |
| Rated surge voltage (II/2) | 4 kV |
| Rated current | 17.5 A |
| Legend (ratings) | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |

Subject to changes. Please also observe the further product documentation!

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UL Approvals

| | |
|--------------------------------|---------|
| Approvals per | UL 1059 |
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 10 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

CSA Approvals

| | |
|---------------------------------|-------|
| Approvals per | CSA |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 15 A |

Connection data

| | |
|-----------------------------------|---|
| Total number of connection points | 1 |
| Total number of potentials | 1 |
| Number of connection types | 1 |
| Number of levels | 1 |

Connection 1

| | |
|---|--|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Push-button |
| Solid conductor | 0.2 ... 1.5 mm ² / 20 ... 14 AWG |
| Fine-stranded conductor | 0.75 ... 1.5 mm ² / 20 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 ... 1 mm ² |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1 mm ² |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inch |
| Conductor connection direction to PCB | 0° |
| Number of poles | 1 |

Physical data

| | |
|-------------------------|----------------------------|
| Pin spacing | 5/5.08 mm / 0.197/0.2 inch |
| Width | 6.5 mm / 0.256 inch |
| Height | 19.1 mm / 0.752 inch |
| Height from the surface | 15.5 mm / 0.61 inch |
| Depth | 12.5 mm / 0.492 inch |

Subject to changes. Please also observe the further product documentation!

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| | |
|--------------------------------------|------------------------|
| Solder pin length | 3.6 mm |
| Solder pin dimensions | 0.4 x 0.8 mm |
| Drilled hole diameter with tolerance | 1 ^(+0.1) mm |

PCB contact

| | |
|-------------------------------------|-------------------------------------|
| PCB Contact | THT |
| Solder pin arrangement | within the terminal block (in-line) |
| Number of solder pins per potential | 2 |

Material data

| | |
|-----------------------------|--|
| Color | blue |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.014 MJ |
| Weight | 0.8 g |

Environmental requirements

| | |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
|-------------------------|-----------------|

Commercial data







| | |
|-----------------------|---------------------|
| Product Group | 4 (Printed Circuit) |
| PU (SPU) | 800 (100) Stück |
| Packaging type | box |
| Country of origin | CN |
| GTIN | 4044918832441 |
| Customs tariff number | 8536904000 |

Approvals / Certificates


Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
| | CCA | EN 60947 | NTR NL- |

Subject to changes. Please also observe the further product documentation!

| | | | |
|---|--|--------------|-----------------|
|  | DEKRA Certification B.V. | | 7144 |
|  | CCA DEKRA Certification B.V. | EN 60998 | NTR NL 6919 |
|  | CCA DEKRA Certification B.V. | EN 60947-7-4 | NTR NL- 7774 |
|  | CSA DEKRA Certification B.V. | C22.2 | 1673956 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 2160584.38 |
|  | VDE VDE Prüf- und Zertifizierungsinstitut | EN 60947 | 40029328 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 19- HG1869876- PDA |
| | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE000016Z |

Required accessories

End plates

| End plate | |
|--|--|
| Item no.: 235-850 End plate; snap-fit type; 1 mm thick; white | www.wago.com/235-850 |
| Item no.: 235-800 End plate; snap-fit type; 1 mm thick; red | www.wago.com/235-800 |

Subject to changes. Please also observe the further product documentation!



| | |
|---|--|
| Item no.: 235-100 End plate; snap-fit type; 1 mm thick; gray | www.wago.com/235-100 |
| Item no.: 235-500 End plate; snap-fit type; 1 mm thick; black | www.wago.com/235-500 |
| Item no.: 235-650 End plate; snap-fit type; 1 mm thick; violet | www.wago.com/235-650 |
| Item no.: 235-600 End plate; snap-fit type; 1 mm thick; orange | www.wago.com/235-600 |
| Item no.: 235-700 End plate; snap-fit type; 1 mm thick; light green | www.wago.com/235-700 |
| Item no.: 235-550 End plate; snap-fit type; 1 mm thick; yellow | www.wago.com/235-550 |
| Item no.: 235-200 End plate; snap-fit type; 1 mm thick; dark gray | www.wago.com/235-200 |
| Item no.: 235-400 End plate; snap-fit type; 1 mm thick; blue | www.wago.com/235-400 |
| Item no.: 235-300 End plate; snap-fit type; 1 mm thick; light gray | www.wago.com/235-300 |

Mounting



Intermediate plate

| | |
|--|--|
| Item no.: 235-701 Spacer; for doubling the pin spacing; gray | www.wago.com/235-701 |
|--|--|

Optional accessories




Tools

Operating tool

| | |
|--|--|
|  Item no.: 210-657 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured | www.wago.com/210-657 |
|  Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured | www.wago.com/210-720 |

Ferrules

Ferrule

| | |
|--|--|
|  Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-101 |
|  Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-102 |
|  Item no.: 216-103 | |


Subject to changes. Please also observe the further product documentation!







| | | |
|---|--|--|
| | Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-103 |
| 1 | Item no.: 216-123 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-123 |
| 1 | Item no.: 216-122 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-122 |
| 1 | Item no.: 216-142 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-142 |
| 1 | Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-132 |
| 1 | Item no.: 216-121 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-121 |
| 1 | Item no.: 216-143 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-143 |
| 1 | Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-131 |
| 1 | Item no.: 216-141 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-141 |
| 1 | Item no.: 216-152 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-152 |
| 1 | Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |
| 1 | Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
| 1 | Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-151 |
| 1 | Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
| 1 | Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
| 1 | Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | www.wago.com/216-241 |
| 1 | Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-242 |
| 1 | Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-222 |

Subject to changes. Please also observe the further product documentation!



| | | |
|---|--|--|
|  | Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-221 |
|  | Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-224 |
|  | Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
|  | Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-263 |
|  | Item no.: 216-262 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-262 |
|  | Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
|  | Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-321 |
|  | Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green | www.wago.com/216-322 |
|  | Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise | www.wago.com/216-302 |

Marking accessories

| | | |
|---|--|--|
| Marking strip | | |
|  | Item no.: 210-332/500-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white | www.wago.com/210-332/500-202 |
|  | Item no.: 210-332/500-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white | www.wago.com/210-332/500-206 |
|  | Item no.: 210-332/500-205 Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white | www.wago.com/210-332/500-205 |
|  | Item no.: 210-332/500-204 Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white | www.wago.com/210-332/500-204 |

Downloads

Documentation

Additional Information

Subject to changes. Please also observe the further product documentation!

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| | | | |
|------------------------|------------|-----------------|----------|
| Technical explanations | 2019 Apr 3 | pdf 2.0 MB | Download |
| | | pdf 125.0 kB | Download |

CAD files

CAD data

| | | |
|------------------------------|-----|----------|
| 2D/3D Models 235-744/331-000 | URL | Download |
|------------------------------|-----|----------|

CAE data

| | | |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 235-744/331-000 | URL | Download |
| ZUKEN Portal 235-744/331-000 | URL | Download |
| EPLAN Data Portal 235-744/331-000 | URL | Download |

PCB Design

| | | |
|--------------------------------------|-----|----------|
| Symbol and Footprint 235-744/331-000 | URL | Download |
|--------------------------------------|-----|----------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL

Subject to changes. Please also observe the further product documentation!

- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 235-744/331-000

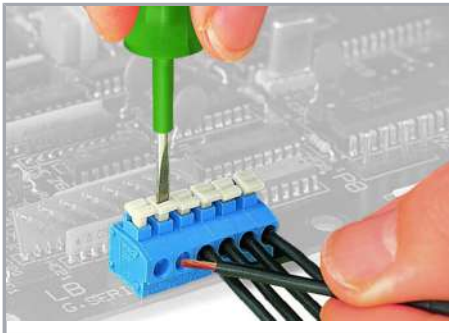
URL

Download

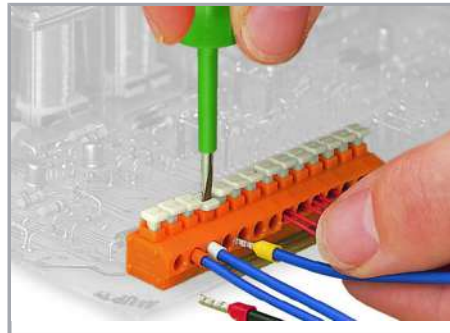
Stackable PCB terminal block; push-button; 1.5 mm²; Pin spacing 5/5.08 mm; 1-pole;
Push-in CAGE CLAMP®; 1,50 mm²; blue

Installation Notes

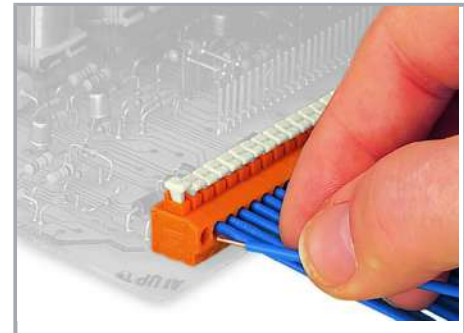
Conductor termination



Inserting/removing fine-stranded conductors via push-button.



Insert/remove fine-stranded conductors with ferrules via push-button.



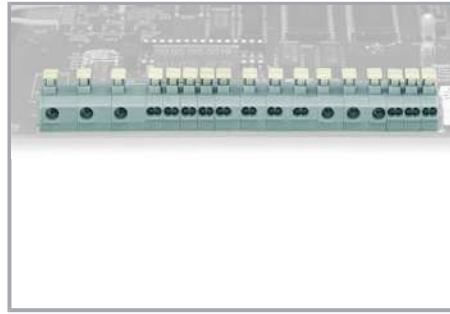
Insert solid conductors via push-in termination.

Installation

Subject to changes. Please also observe the further product documentation!

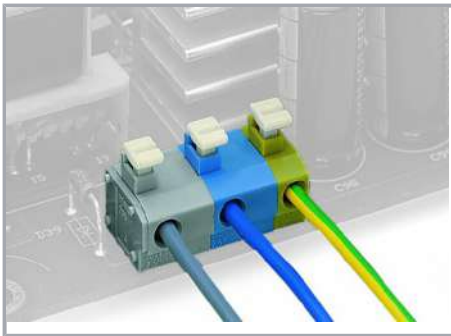
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Combining 1- and 2-conductor terminal blocks with different pin spacing.

Testing



Application example: field-wiring terminal strip

Subject to changes. Please also observe the further product documentation!