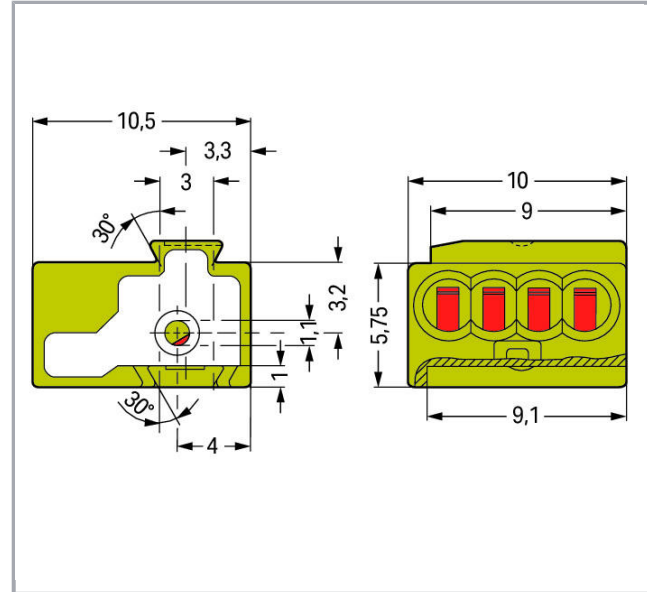


Data sheet | Item number: 243-742

4-conductor modular PCB connector; for individual solder pins; 0.8 mm Ø;
Pin spacing 5.75 mm; 2-pole; light green

www.wago.com/243-742



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:

Item description

- Compact, 4-conductor PCB connectors with PUSH WIRE® connection
- Can be assembled to connector strips via dovetail joints
- Push-in termination of solid conductors
- Four entries for power supply and potential distribution
- Quick and easy PCB replacement, without disrupting looped-through potentials

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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

Data**Electrical data****Ratings per IEC/EN 60664-1**

| Ratings per | IEC/EN 60664-1 |
|---------------------------------|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated voltage (III / 2) | 320 V |
| Rated impulse voltage (III / 2) | 4 kV |
| Rated voltage (II / 2) | 630 V |
| Rated impulse voltage (II / 2) | 4 kV |
| Rated current | 6 A |
| Legend (ratings) | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

Approvals per UL 1059

| | |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 150 V |
| Rated current UL (Use Group B) | 7 A |
| Rated voltage UL (Use Group D) | 150 V |
| Rated current UL (Use Group D) | 7 A |
| Approvals per | UL 1059 |

Approvals per CSA

| | |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 150 V |
| Rated current CSA (Use Group B) | 7 A |
| Rated voltage CSA (Use Group D) | 150 V |
| Rated current CSA (Use Group D) | 7 A |

Connection data

| | |
|-----------------------------------|---|
| Connection technology | PUSH WIRE [®] |
| Connectable conductor materials | Copper |
| Solid conductor | 0,5 ... 1 mm ² / 24 ... 18 AWG |
| Conductor diameter | 0,5 ... 1 mm |
| Strip length | 5 ... 6 mm / 0.2 ... 0.24 inch |
| Conductor entry angle to the PCB | 0° |
| No. of poles | 2 |
| Total number of connection points | 8 |

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



| | |
|----------------------------|---|
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |

Geometrical Data

| | |
|-----------------------------------|-------------------------------------|
| Pin spacing | 5,75 mm / 0.226 inch |
| Width | 11,5 mm / 0.453 inch |
| Height | 10 mm / 0.394 inch |
| Depth | 10,5 mm / 0.413 inch |
| Solder pin length | 4.5 mm |
| Solder pin diameter | 1 mm |
| Drilled hole diameter (tolerance) | 1,2 ^(-0,05 ... +0,05) mm |

Plug connection

| | |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type | for PCBs |
| Mating direction to the PCB | 90° |

PCB contact

| | |
|-------------|-----|
| PCB contact | THT |
|-------------|-----|

Material Data

| | |
|-----------------------------|--|
| Color | light green |
| Material group | I |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Copper alloy |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.024 MJ |
| Weight | 1.5 g |

Environmental Requirements

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





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

Commercial data


| | |
|--------------------|---------------|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4044918441841 |
| Customs Tariff No. | 85369010000 |

Approvals / Certificates


Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 60998 | NTR NL 7486 |
|  | CSA DEKRA Certification B.V. | C22.2 | 70048857 |
|  | CSA DEKRA Certification B.V. | C22.2 | 70048857 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60998 | 2193300.01 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|------------------------------------|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 18- HG1755093- PDA |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|---------------------|
|  | UR Underwriters Laboratories Inc. | UL 1059 | 20190731- E45172 |

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

Counterpart

Compatible products

General accessories



Item no.: 243-131

Board-to-Board Link; 1-pole

www.wago.com/243-131

Marking accessories

Item no.: 210-332/575-103

Marking strips; as a DIN A4 sheet; MARKED; 1-12 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

www.wago.com/210-332/575-103

Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf
3.6 MB

[Download](#)

CAD/CAE-Data

CAE data

EPLAN Data Portal 243-742

[URL](#)

[Download](#)

PCB Design

Symbol and Footprint 243-742

[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

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

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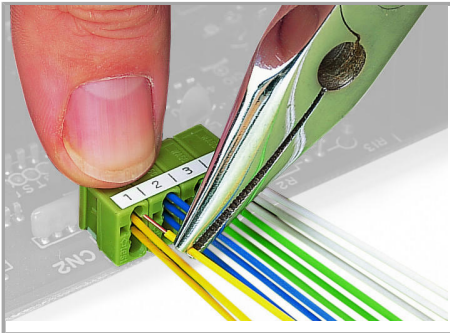
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- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

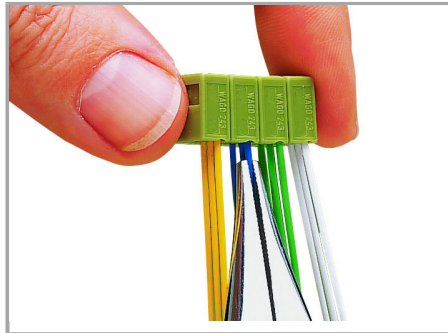
PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Installation Notes

Inserting a conductor



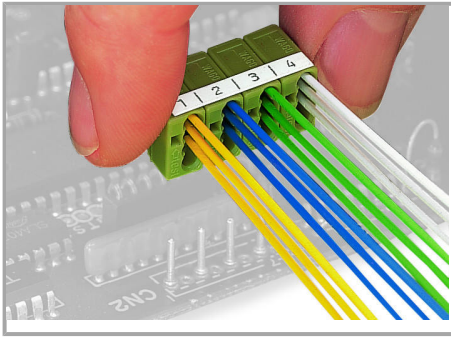
Inserting a conductor using pliers until it hits backstop – directly on the PCB or wiring prior to mounting on PCB.



Removing a conductor using pliers – twisting alternately left and right – 243 Series

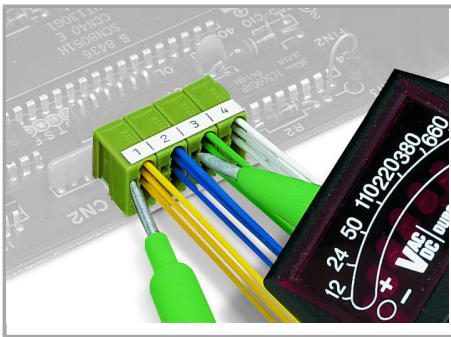
Assembly

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



Removing a PCB connector strip to replace the board.

Testing



Testing – 243 Series

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