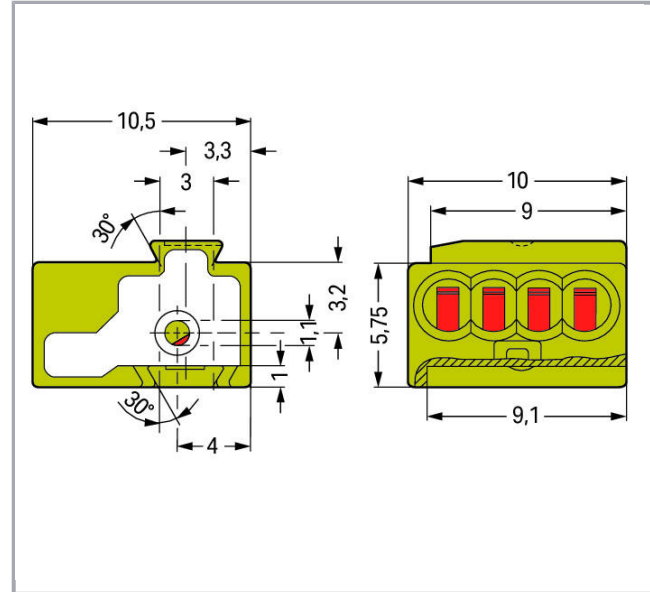


Data sheet | Item number: 243-745/000-012

4-conductor modular PCB connector; for individual solder pins; 0.8 mm Ø;
Pin spacing 5.75 mm; 5-pole; orange

www.wago.com/243-745/000-012



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
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Email: info.de@wago.com | Web: www.wago.com

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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	5
Total number of connection points	20

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



Total number of potentials	5
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	5.75 mm / 0.226 inch
Width	28.5 mm / 1.122 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
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Material Data

Color	orange
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	0.06 MJ
Weight	3.7 g

Environmental Requirements

Limit temperature range	-60 ... +105 °C
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Subject to changes. Please also observe the further product documentation!

Commercial data


Packaging type	BOX
Country of origin	DE
GTIN	4044918441810
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

Counterpart

Compatible products

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

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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

General accessories



Item no.: 243-131

Board-to-Board Link; 1-pole

www.wago.com/243-131

Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf
3.6 MB

[Download](#)

CAD/CAE-Data

CAE data

EPLAN Data Portal 243-745/000-012

[URL](#)

[Download](#)

PCB Design

Symbol and Footprint 243-745/000-012

[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

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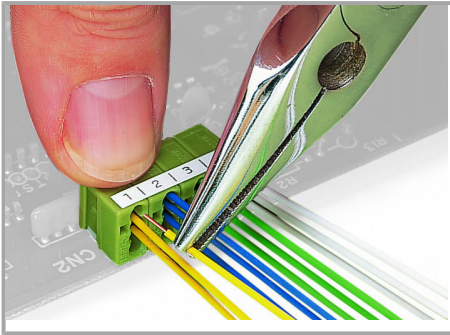
We are always happy to take your call at +49 (571) 887-44222.

- 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

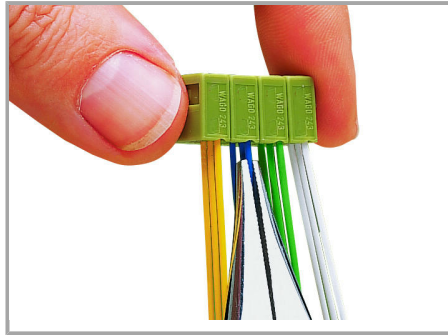
PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Installation Notes

Inserting a conductor



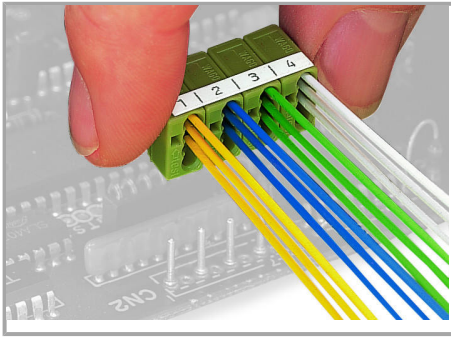
Inserting a conductor using pliers until it hits backstop – directly on the PCB or wiring prior to mounting on PCB.



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

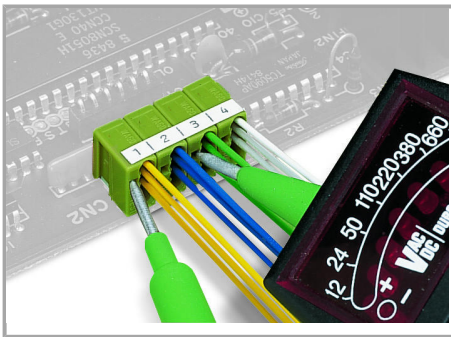
Assembly

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!

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