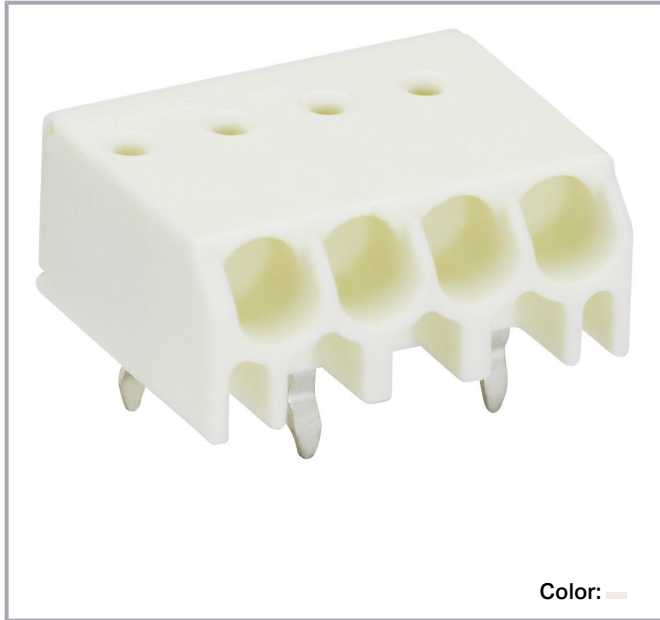


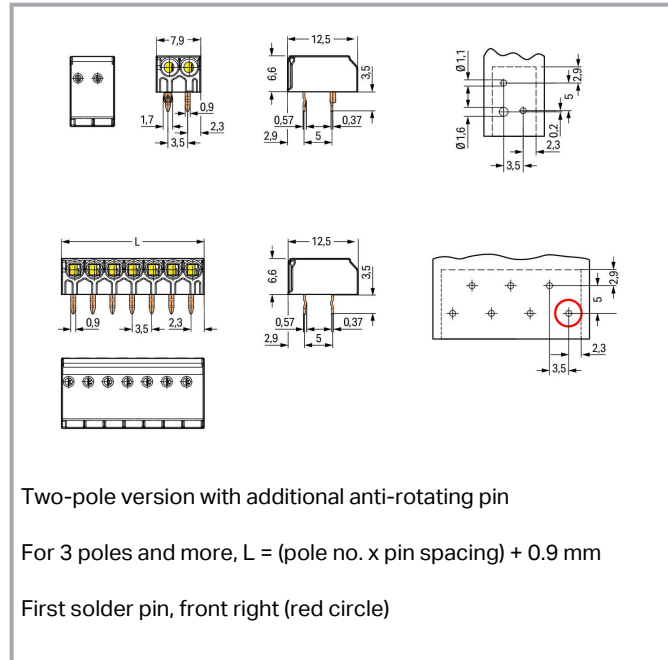
Data sheet | Item number: 744-304

PCB terminal block; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; PUSH WIRE®; 1,50 mm²; white

www.wago.com/744-304



Color:



Item description

- PCB terminal blocks with PUSH WIRE® connection
- Push-in termination of solid conductors – low insertion forces
- Just 6.4 mm tall
- Conductor removal via disconnection tool or by twist & pull

Data

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

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

WAGO Corporation
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Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	2 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

UL Approvals

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	6 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	6 A

Connection data

Connection technology	PUSH WIRE®
Actuation type	Operating tool Push-in
Solid conductor	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Conductor connection direction to PCB	0°
Pole No.	4
Total number of connection points	4
Total number of potentials	4
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	14.9 mm / 0.587 inch
Height	10.1 mm / 0.398 inch
Height from the surface	6.6 mm / 0.26 inch
Depth	12.5 mm / 0.492 inch
Solder pin length	3.5 mm
Solder pin dimensions	0.35 x 0.9 mm
Drilled hole diameter with tolerance	1.1 ^(-0.1) mm

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PCB contact

PCB Contact	THT
Solder pin arrangement	over the entire terminal strip (staggered)
Number of solder pins per potential	1

Material data

Color	white
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	tin-plated
Weight	1.1 g

Environmental requirements


Limit temperature range	-60 ... +105 °C
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Commercial data

Packaging type	BOX
Country of origin	CH
GTIN	4055143300537
Customs tariff number	8536904000

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	E45172

Optional accessories

Tools

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Item no.: 206-841

Disconnection tool; for 744 Series; multicoloured

www.wago.com/206-841

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.0 MB	Download
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CAD files

CAD data

2D/3D Models 744-304	URL	Download
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PCB Design

Symbol and Footprint 744-304	URL	Download
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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
- 3D STEP
- TARGET 3001!

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

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- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

CAE data

ZUKEN Portal 744-304	URL	Download
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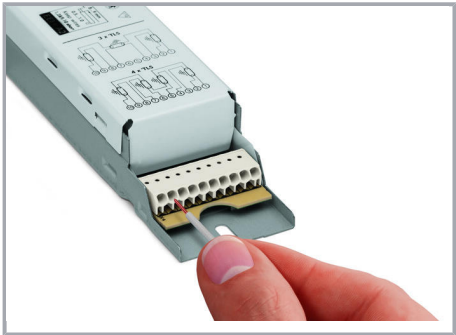
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 744-304	URL	Download
PCB terminal block; 1.5 mm ² ; Pin spacing 3.5 mm; 4-pole; PUSH WIRE®; 1,50 mm ² ; white		

Installation Notes

Conductor termination



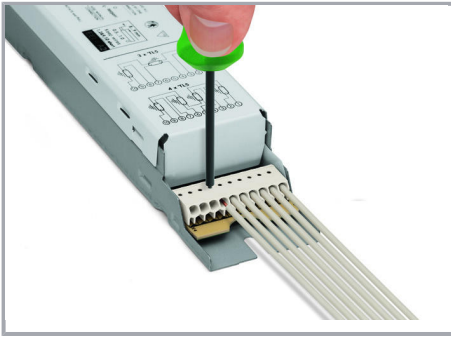
Inserting a conductor via push-in termination.

Conductor removal

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

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Removing a conductor via 1.0 mm Ø disconnection tool (206-841).

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

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