

**Data sheet | Item number: 744-307**

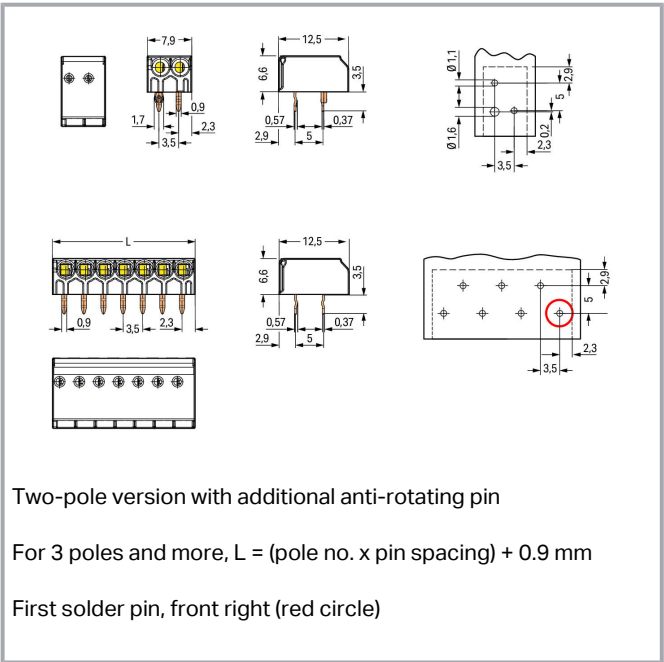
PCB terminal block; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 7-pole; PUSH WIRE®; 1,50 mm<sup>2</sup>; white

[www.wago.com/744-307](http://www.wago.com/744-307)



 Picture differs from the item.

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

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  
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Rated surge voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	2 A
Legend (ratings)	(III / 2) $\triangleq$ 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 <sup>2</sup> / 20 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Conductor connection direction to PCB	0°
Pole No.	7
Total number of connection points	7
Total number of potentials	7
Number of connection types	1
Number of levels	1

## Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	25.4 mm / 1 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 <sup>(-0.1)</sup> 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	1.9 g

## Environmental requirements


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

Packaging type	BOX
Country of origin	CH
GTIN	4055143349925
Customs tariff number	85369010000

## Approvals / Certificates

### UL-Approvals

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

## Optional accessories

### Tools

Item no.: 206-841

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Disconnection tool; for 744 Series; multicoloured

[www.wago.com/206-841](http://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 744-307	URL	Download
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### PCB Design

Symbol and Footprint 744-307	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!

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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

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#### CAE data

	URL	Download
ZUKEN Portal 744-307		

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## Environmental Product Compliance

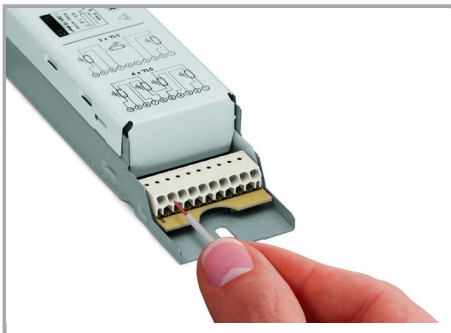
### Compliance Search

	URL	Download
Environmental Product Compliance 744-307		
PCB terminal block; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 7-pole; PUSH WIRE®; 1,50 mm <sup>2</sup> ; white		

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## Installation Notes

### Conductor termination



Inserting a conductor via push-in termination.

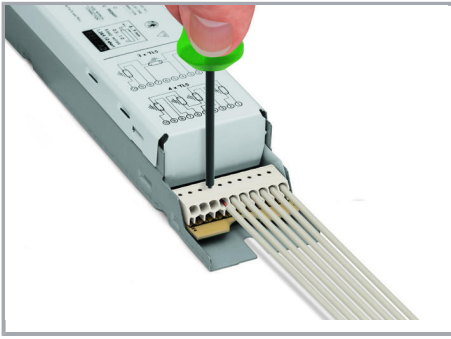
### Conductor removal

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

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