

Data sheet | Item number: 744-303/000-012

PCB terminal block; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; PUSH WIRE®; 1,50 mm²; orange

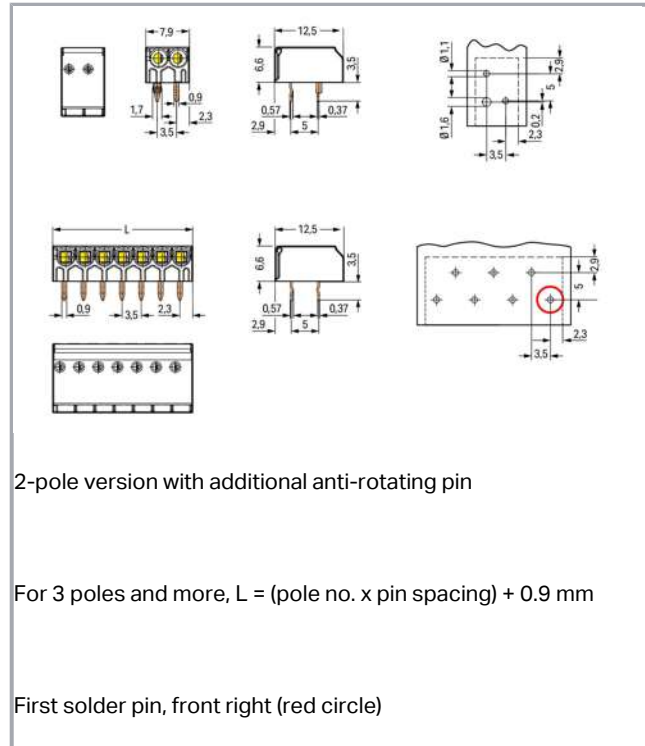


www.wago.com/744-303_000-012



RoHS Compliant

Color:



2-pole version with additional anti-rotating pin

For 3 poles and more, L = (pole no. x pin spacing) + 0.9 mm

First solder pin, front right (red circle)

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

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

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

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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	2 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

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
Approvals per	UL 1059

Connection data

Connection technology	PUSH WIRE [®]
Actuation type	Operating tool
Solid conductor	0,5 ... 1,5 mm ² / 20 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Conductor entry angle to the PCB	0°
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	3,5 mm / 0.138 inch
Width	11,4 mm / 0.449 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 (tolerance)	1,1 ^(-0,1) mm

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



PCB contact

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

Material Data

Color	orange
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	tin-plated
Weight	0.9 g

Environmental Requirements

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


Packaging type	BOX
Country of origin	CH
GTIN	4055143311915
Customs Tariff No.	85369010000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	IECEX DEKRA EXAM GmbH	-	2226904.01-AOC

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172 Sec. 53

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Counterpart

Compatible products

tools

	Item no.: 206-841 Disconnection tool; for 744 Series	www.wago.com/206-841
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Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 744-303/000-012	URL	Download
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PCB Design

Symbol and Footprint 744-303/000-012	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

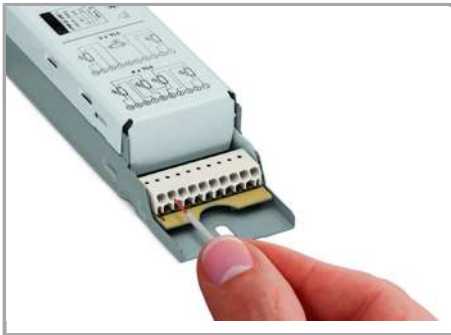
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- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

Installation Notes

Conductor termination



Inserting a conductor via push-in termination.

Conductor removal

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



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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