

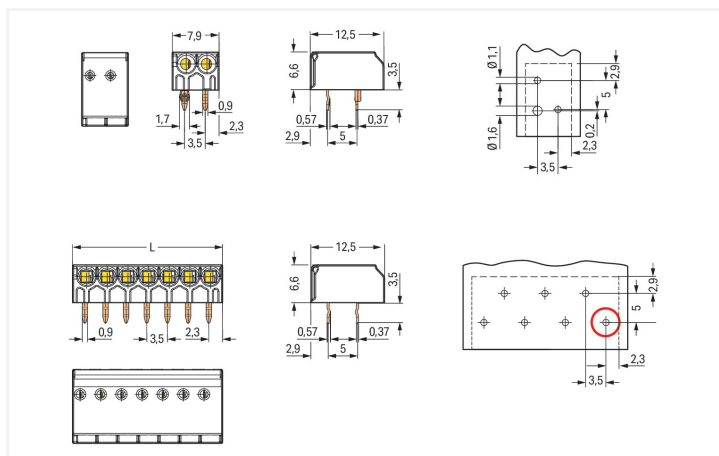
Data Sheet | Item Number: 744-304

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

<https://www.wago.com/744-304>



Color: ■ white



Dimensions in mm

Two-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)

PCB terminal block, 744 Series, operating tool

This PCB terminal block (item number 744-304) is designed for easy and secure connections. You can count on proven safety with these PCB terminal blocks, perfect for a wide range of applications when designing your devices. Conductors can only be connected to this PCB terminal block if their strip length is between 8 and 9 mm. Featuring one conductor terminal along with PUSH WIRE®, this product is highly versatile. Our reliable PUSH WIRE® con-

nection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Dimensions: (14.9 x 10.1 x 12.5) mm (width x height x depth). Depending on the conductor type, this PCB terminal block is ideal for conductor cross sections ranging from 0.5 mm² to 1.5 mm².

Tin is used for coating the contact surfaces. An operating tool is used to operate this PCB terminal block. THT is used to assemble the PCB terminal block. Insert the conductor into the board at an angle of 0°..

Electrical data

Ratings per	IEC/EN 60664-1			Approvals per	UL 1059		
	III	III	II		B	C	D
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	250 V	320 V	630 V	Rated current	6 A	-	6 A
Rated impulse withstand voltage	4 kV	4 kV	4 kV				
Rated current	3 A	3 A	3 A				

Connection data

Clamping units	4	Connection 1 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 inches Conductor connection direction to PCB 0° Pole number 4
Total number of potentials	4	
Number of connection types	1	
Number of levels	1	

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	14.9 mm / 0.587 inches
Height	10.1 mm / 0.398 inches
Height from the surface	6.6 mm / 0.26 inches
Depth	12.5 mm / 0.492 inches
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

PCB contact

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

Material data

Note (material data)	Information on material specifications can be found here
Color	white
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact Plating	Tin
Fire load	0.021 MJ
Weight	1.1 g

Environmental requirements

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

PU (SPU)	800 pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143300537
Customs tariff number	85369010000

Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 10.0	EC002643
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 744-304	↓

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓
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CAD/CAE-Data

CAD data

2D/3D Models 744-304	↓
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CAE data

ZUKEN Portal 744-304	↓
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PCB Design

Symbol and Footprint
via SamacSys 744-304



Symbol and Footprint
via Ultra Librarian
744-304



1 Compatible Products

1.1 Optional Accessories

1.1.1 Tool

1.1.1.1 Operating tool



Item No.: 206-841

Disconnection tool; for 744 Series; multi-coloured

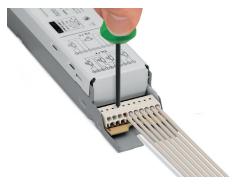
Installation Notes

Conductor termination



Inserting a conductor via push-in termination.

Conductor removal



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

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

Current addresses can be found at: www.wago.com