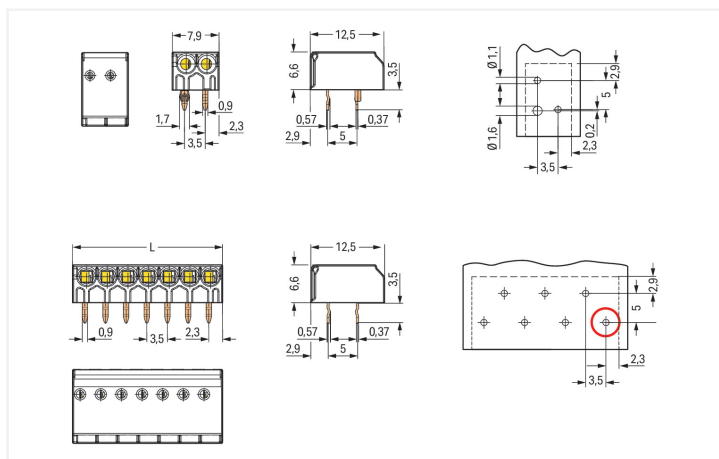


Data Sheet | Item Number: 744-304
PCB terminal block; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; PUSH WIRE®; white

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



Color:  white



Dimensions in mm
Two-pole version with additional anti-rotating pinFor 3 poles and more, L = (pole no. x pin spacing) + 0.9 mmFirst solder pin, front right (red circle)

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				
Overvoltage category	III	III	II	Use group	B	C
Pollution degree	3	2	2	Rated voltage	300 V	-
Nominal voltage	250 V	320 V	630 V	Rated current	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	
Total number of potentials	4	Connection technology	PUSH WIRE®
Number of connection types	1	Actuation type	Operating tool
Number of levels	1	Solid conductor	0.5 ... 1.5 mm² / 20 ... 16 AWG
		Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
		Conductor connection direction to PCB	0 °
		Pole number	4

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

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

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

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Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 744-304

CAE data
ZUKEN Portal 744-304

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 termina-
tion.

Conductor removal



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

