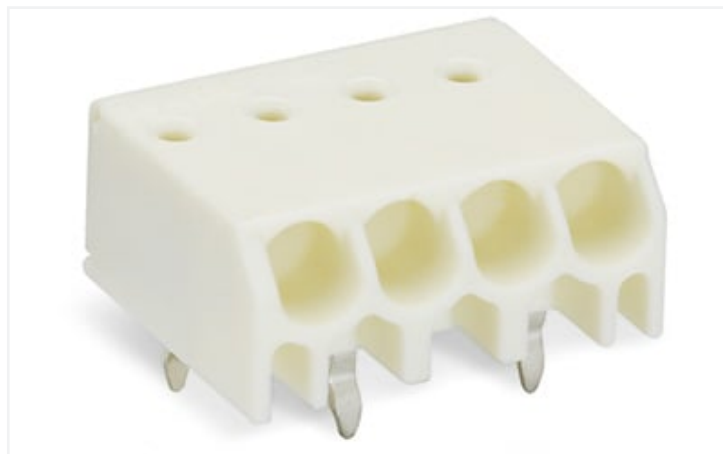


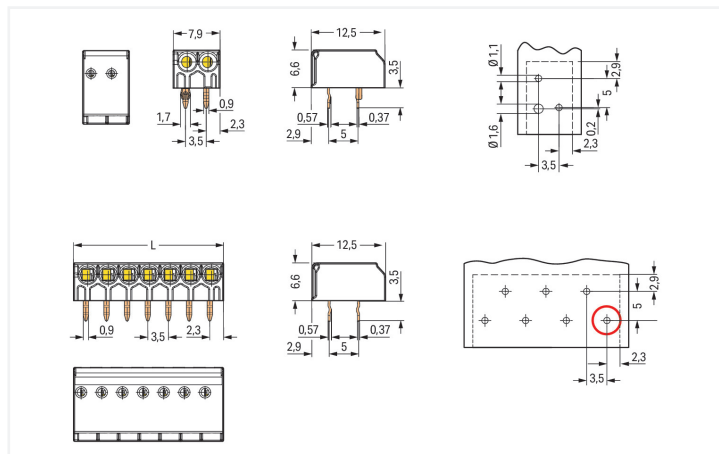
Data Sheet | Item Number: 744-304

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

<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 blocks with PUSH WIRE® connection
- Push-in termination of solid conductors – low insertion forces
- Just 6.6 mm tall
- Conductor removal via disconnection tool or by twist & pull

Electrical data

Ratings per	IEC/EN 60664-1		
	III	III	II
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	3 A	3 A	3 A

Approvals per	UL 1059		
	B	C	D
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	6 A	-	6 A

Connection data

Clamping units	4
Total number of potentials	4
Number of connection types	1
Number of levels	1

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

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

eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	800 pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143300537
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
AOC DEKRA Certification B.V.	EN 60998	2261942.01-AOC
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



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 termination.

Conductor removal



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