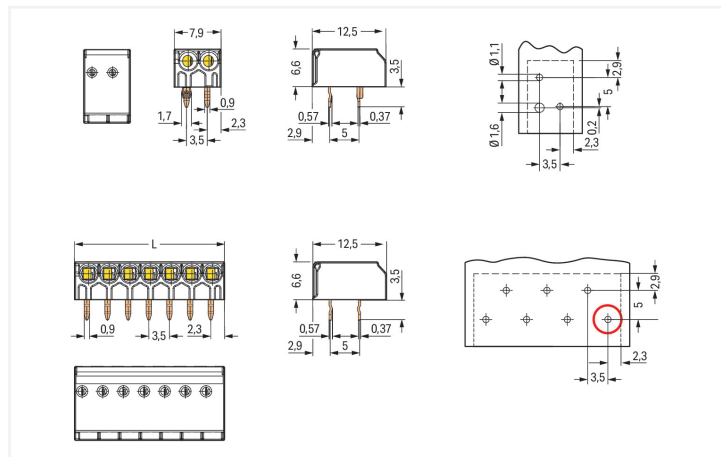


# Data Sheet | Item Number: 744-307

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

<https://www.wago.com/744-307>



Color: ■ white

Similar to illustration

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

Our PCB terminal block (item number 744-307) is the perfect way to connect conductors quickly and easily. It is perfect for custom installations with different mounting types. Strip lengths must be between 8 and 9 mm when connecting conductors to this PCB terminal block. This product incorporates one conductor terminal and utilizes PUSH WIRE®. Our tried-and-tested PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Dimensions: (25.4 x 10.1 x 12.5) mm (width x height x depth). Depending on the conductor type, this PCB terminal block is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 1.5 mm<sup>2</sup>.

The contact surface is coated with tin. An operating tool is used to operate this PCB terminal block. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted into the board at an angle of 0°..

### Electrical data

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

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

### Connection Data

Clamping units	7
Total number of potentials	7
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 <sup>2</sup> / 20 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Conductor connection direction to PCB	0°
Pole number	7

### Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	25.4 mm / 1 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	1.1 <sup>(+0.1)</sup> 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)	<a href="#">Information on material specifications can be found here</a>
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	0.031 MJ
Weight	1.9 g

### Environmental requirements

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

PU (SPU)	300 pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143349925
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
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 744-307 <a href="#">↓</a>

### Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	<a href="#">↓</a>

### CAD/CAE-Data

CAD data
2D/3D Models 744-307 <a href="#">↓</a>

CAE data
ZUKEN Portal 744-307 <a href="#">↓</a>

### PCB Design

Symbol and Footprint via SamacSys 744-307 <a href="#">↓</a>
Symbol and Footprint via Ultra Librarian 744-307 <a href="#">↓</a>

## 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).