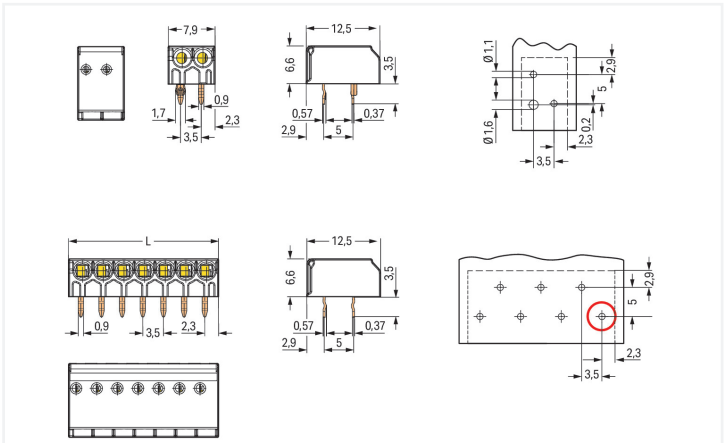
Data Sheet | Item Number: 744-392

PCB terminal block; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; PUSH WIRE®; white

https://www.wago.com/744-392

Color: white

Similar to illustration



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)

PCB terminal block, 744 Series, PUSH WIRE®

Easily, quickly and safely connect conductors with this PCB terminal block (item number 744-392). You can rely on trusted safety with these PCB terminal blocks, perfect for a wide variety of applications when designing your devices. Strip lengths must be between 8 and 9 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes PUSH WIRE®. Our trusted 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: (7.9 x 10.1 x 12.5) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 1.5 mm².

Tin is used for coating the contact surfaces. This PCB terminal block is operated with an operating tool. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted 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	2
Total number of potentials	2
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 mm² / 20 … 16 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inches
Conductor connection direction to PCB	0 °
Pole number	2

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	7.9 mm / 0.311 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	0.012 MJ
Weight	0.6 g

Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

PU (SPU)	1500 pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143318075
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 744-392

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 744-392

CAE data

ZUKEN Portal 744-392

PCB Design

Symbol and Footprint via SamacSys 744-392

Symbol and Footprint via Ultra Librarian 744-392

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).