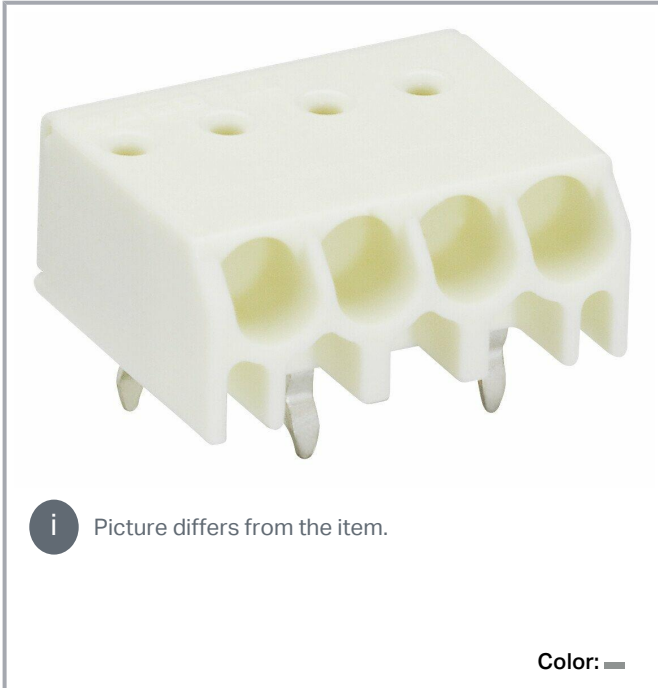


Data sheet | Item number: 744-304/000-007

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

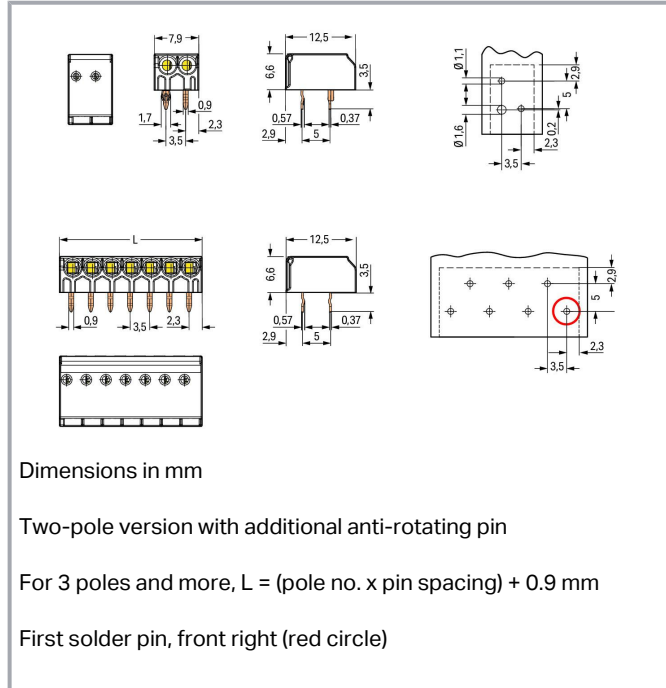


www.wago.com/744-304/000-007



i Picture differs from the item.

Color:



Dimensions in mm

Two-pole version with additional anti-rotating pin

For 3 poles and more, $L = (\text{pole no.} \times \text{pin spacing}) + 0.9 \text{ mm}$

First solder pin, front right (red circle)

Item description

- 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

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Rated impulse voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	3 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	6 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	6 A

Connection data

Connection points	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

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



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	gray
Material group	I
Insulation material	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	4055143342605
Customs tariff number	85369010000

Environmental Product Compliance

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


Approvals / Certificates

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

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	AOC DEKRA Certification B.V.	EN 60998	2226904.01-AOC
	AOC DEKRA Certification B.V.	EN 60998	2261942.01-AOC
	UL Underwriters Laboratories Inc.	UL 1059	E45172

Optional accessories

Tool

Operating tool		
	Item no.: 206-841 Disconnection tool; for 744 Series; multicoloured	www.wago.com/206-841

Downloads

Documentation

Additional Information

Technical Section	2019 Apr 3	pdf 2.0 MB	Download
Technical explanations			

CAD/CAE-Data

PCB Design

Symbol and Footprint 744-304/000-007	URL	Download
CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.		

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries

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



- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

CAE data

ZUKEN Portal 744-304/000-007	URL	Download
------------------------------	---------------------	--------------------------

CAD data

2D/3D Models 744-304/000-007	URL	Download
------------------------------	---------------------	--------------------------

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 744-304/000-007 PCB terminal block; 1.5 mm ² ; Pin spacing 3.5 mm; 4-pole; PUSH WIRE®; 1,50 mm ² ; gray	URL	Download
--	---------------------	--------------------------

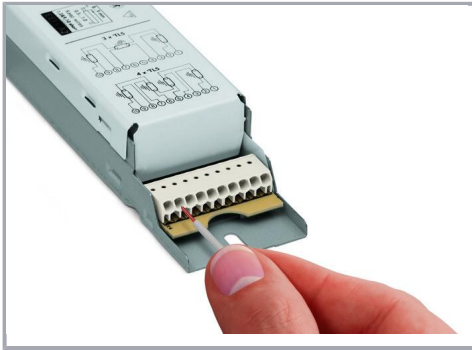
Installation Notes

Conductor termination

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

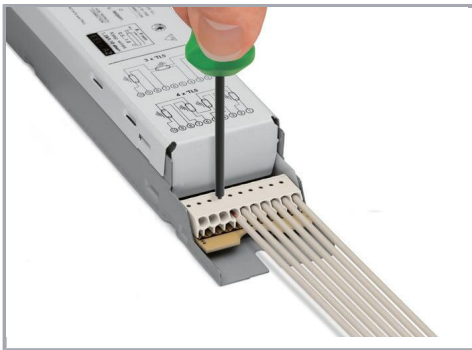
WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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!