

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

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



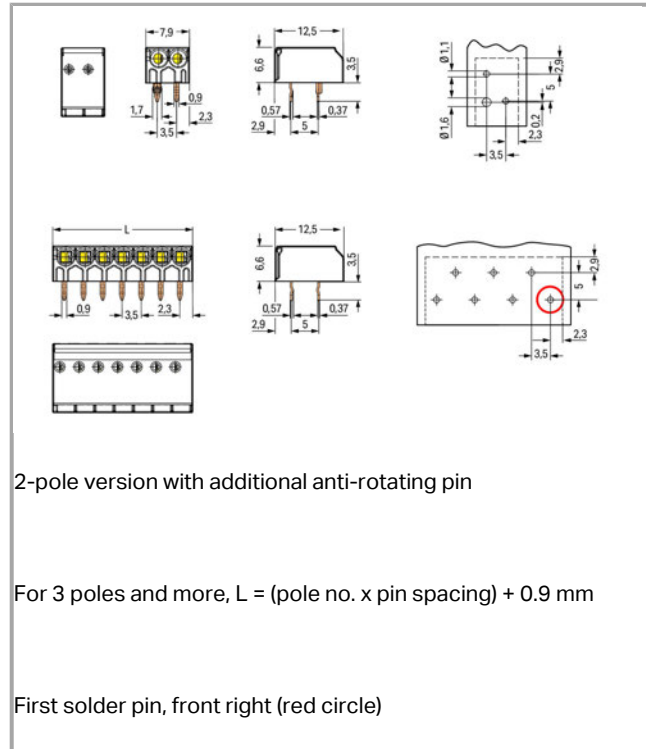
744-304_000-007



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:



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 and pull

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	320 V
Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV

Rated current	2 A
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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

Connection data

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 inch
Conductor entry angle to the PCB	0°
No. of poles	4
Total number of connection points	4
Total number of potentials	4
Number of connection types	1
Number of levels	1
Leiterquerschnitte eindrätig	0.5 mm²

Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	14.9 mm / 0.587 inch
Height	10.1 mm / 0.398 inch
Height from the surface	6.6 mm / 0.26 inch
Depth	12.5 mm / 0.492 inch
Solder pin length	3.5 mm
Solder pin dimensions	0.35 x 0.9 mm
Drilled hole diameter (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

Color	gray
Material group	I
Insulating material	Polyamide 66 (PA 66)

Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	tin-plated
Weight	1.15 g

Environmental Requirements

Limit temperature range	-60 +105 °C
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Commercial data

Country of origin	CH
GTIN	4055143342605
Customs Tariff No.	85369010000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	IECEX DEKRA EXAM GmbH	-	2226904.01-AOC

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172 Sec. 53

Compatible products

tools

	Item no.: 206-841 Disconnection tool; suitable for 744 Series	206-841
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Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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CAD/CAE - Smart Data

CAD data

3D Download 744-304/000-007	URL	Download
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Subject to changes.
