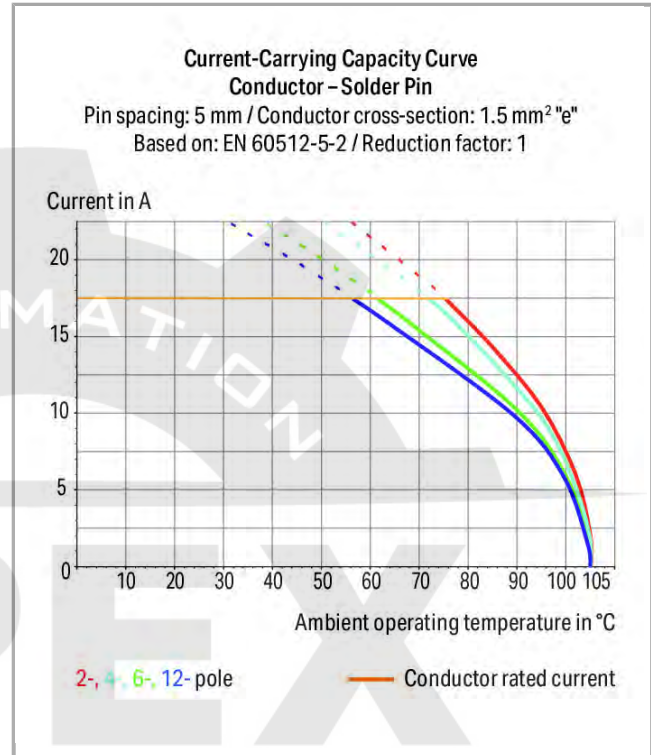


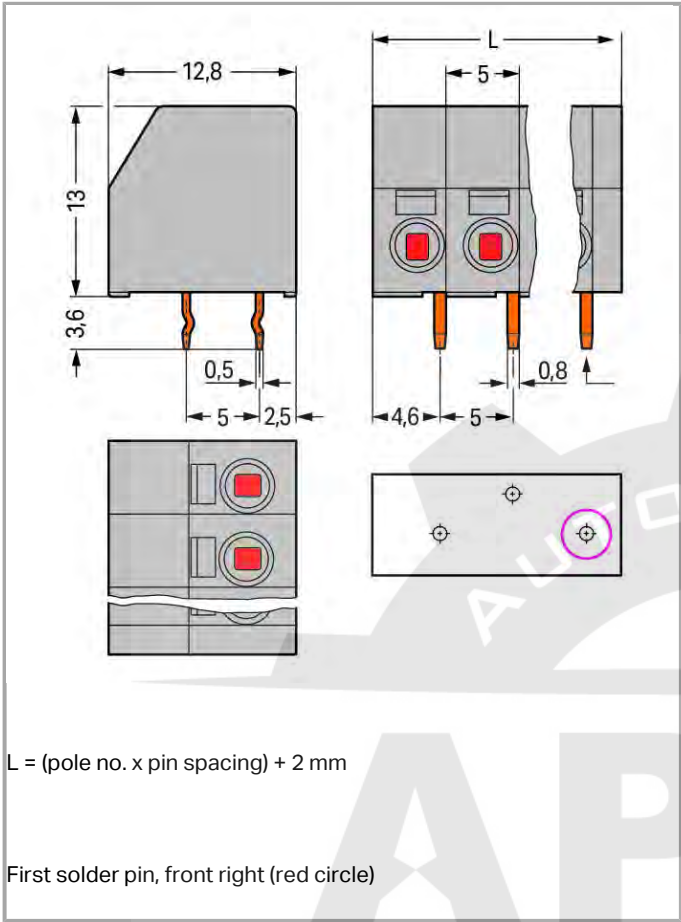
Data sheet | Item number: 253-104

2-conductor PCB terminal block; 1.5 mm²; Pin spacing 5 mm; 4-pole; PUSH WIRE®



253-104





Item description

- PCB terminal strips with PUSH WIRE® connection and screwdriver actuation
- Double-conductor connection provides top-entry (vertical) and/or side-entry (horizontal) wiring
- Push-in termination of solid conductors
- Double entries for power supply and potential distribution

Data
Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	320 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	17.5 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	8 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	8 A

Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	8 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	8 A

Connection data

Connection type (1)	PUSH WIRE® connection
Connection technology	PUSH WIRE®
Number of connection points (connection type)	1
Actuation type	Operating tool
Solid conductor	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Strip length	8.5 ... 9.5 mm / 0.33 ... 0.37 inch
Note (strip length)	7 ... 8 mm / 0.28 ... 0.31 in. (for wiring on both sides)
Conductor entry angle to the PCB	0°
Connection type (2)	PUSH WIRE® connection
Connection technology 2	PUSH WIRE®
Number of connection points	1
Solid conductor (2)	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Strip length (2)	8.5 ... 9.5 mm / 0.33 ... 0.37 inch
Note (strip length) 2	7 ... 8 mm / 0.28 ... 0.31 in. (for wiring on both sides)
Conductor entry angle to the PCB 2	90°
No. of poles	4
Total number of connection points	8
Total number of potentials	4
Number of connection types	2
Number of levels	2

Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	22 mm / 0.866 inch
Height	16.6 mm / 0.654 inch

Height from the surface	13 mm / 0.512 inch
Depth	12.8 mm / 0.504 inch
Solder pin length	3.6 mm
Solder pin dimensions	0.5 x 0.8 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	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.078 MJ
Weight	3.694 g

Environmental Requirements

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

Product Group	4 (Printed Circuit)
Country of origin	CN
GTIN	4044918689243
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60998	2126302.02
	CCA	EN 60998	NTR NL

CCA

DEKRA Certification B.V.

6580

CCA

CCA
DEKRA Certification B.V.

EN 60947

NTR NL-
7649

CCA

CCA
DEKRA Certification B.V.

EN 60947

NTR NL-
7122



ENEC
DEKRA Certification B.V.

EN 60947

71-101931



ENEC
DEKRA Certification B.V.

EN 60947

2160584.27



VDE
VDE Prüf- und Zertifizierungsinstitut

EN 60998

40028668

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1059	E45172 sec. 6
	cURus Underwriters Laboratories Inc.	UL 1059	E45172 sec. 6
	UL UL International Germany GmbH	UL 1977	E45171

Compatible products

tools



Item no.: 210-647
Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short

210-647

	Item no.: 210-648 Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled	210-648
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	Item no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm	210-719
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Marking accessories

Item no.: 210-332/500-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	210-332
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Item no.: 210-332/500-204 Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	210-332
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Item no.: 210-332/500-205 Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	210-332
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Item no.: 210-332/500-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	210-332
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 Item no.: 210-833 Marking strips; on reel; 6 mm wide; plain; Self-adhesive	210-833
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Downloads

CAD/CAE - Smart Data

CAD data

3D Download 253-104	URL	Download
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PCB libraries

TARGET Library for WAGO PCB Terminal Blocks Compatible with TARGET PCB Design Software Version 17.x	1.1.0 Oct 6, 2014	zip 27.1 MB	Download
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EAGLE Library for WAGO PCB Terminal Blocks Compatible with EAGLE PCB Design Software Version 6.x or higher	2.1 Oct 6, 2014	zip 23.9 MB	Download
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DesignSpark Library for WAGO PCB Terminal Blocks Compatible with DesignSpark PCB Version 4.x or higher	2.1 Oct 6, 2014	zip 22.5 MB	Download
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Subject to changes.