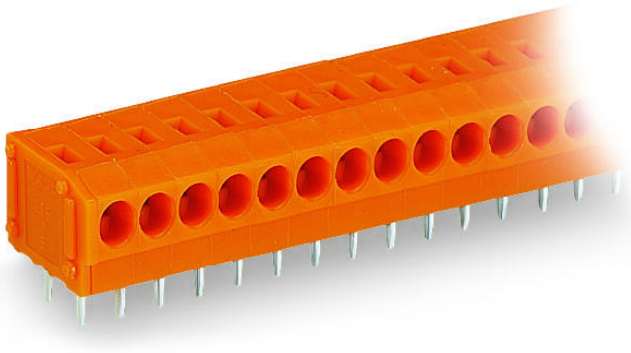
Data sheet | Item number: 235-102/330-000

PCB terminal block; 1.5 mm²; Pin spacing 3.81 mm; 2-pole; PUSH WIRE®; 1,50 mm2; orange

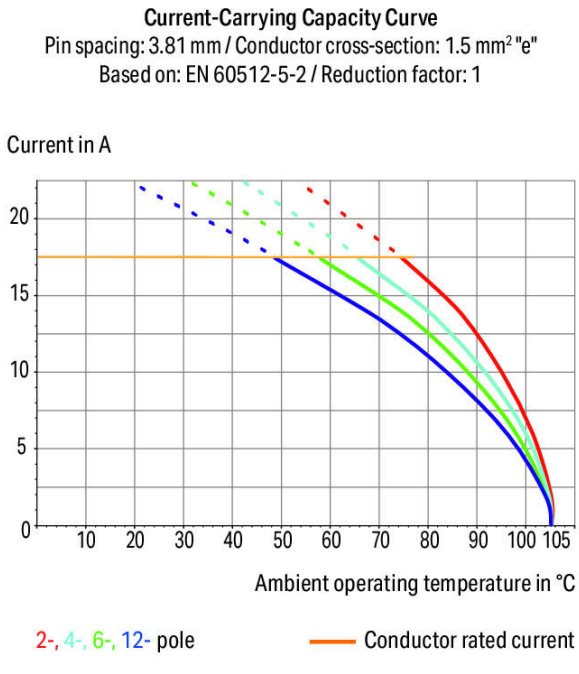
235-102_330-000

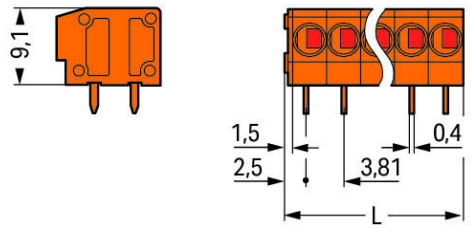


RoHS ✓ Compliant

BOMcheck.net

Color:





L = (pole no. x pin spacing) + 1.5 mm

Item description

- Low-profile PCB terminal strips with PUSH WIRE® connection and screwdriver actuation
- Push-in termination of solid conductors
- Double solder pins for high mechanical stability

- Conductor removal via (2.5 x 0.4) mm screwdriver

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	200 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)	500 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)	10 A
Rated voltage UL (Use Group D)	300 V

Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A

Connection data

Connection technology	PUSH WIRE®
Actuation type	Operating tool
Solid conductor	0.5 1.5 mm² / 20 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 0.75 mm²
Fine-stranded conductor with ferrule without plastic collar	0.25 0.75 mm²
Strip length	9 10 mm / 0.35 0.39 inch
Conductor entry angle to the PCB	0 °
Total number of connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1
No. of poles	2

Geometrical Data

Pin spacing	3.81 mm / 0.15 inch

Width	9.12 mm / 0.359 inch
Height	12.8 mm / 0.504 inch
Height from the surface	9.2 mm / 0.362 inch
Depth	12.5 mm / 0.492 inch
Solder pin length	3.6 mm
Solder pin dimensions	0.8 x 0.4 mm
Drilled hole diameter (tolerance)	$1^{(- \ldots +0.1)}$ mm

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip, in line
Number of solder pins per potential	2

Material Data

Color	orange
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	0.02 MJ
Weight	1.166 g

Environmental Requirements

Limit temperature range	-60 +105 °C

Commercial data

Product Group	4 (Printed Circuit)
Country of origin	CN
GTIN	4044918828338
Customs Tariff No.	85369010000

Approvals / Certificates

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7144

	CCA DEKRA Certification B.V.	EN 60947	2149549.02
	CCA DEKRA Certification B.V.	EN 60998	NTR NL 6919
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7625
	VDE VDE Prüf- und Zertifizierungsinstitut	EN 60947	40029328

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	2149549.02
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7144
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7625
	CCA DEKRA Certification B.V.	EN 60998	NTR NL 6919
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	VDE VDE Prüf- und Zertifizierungsinstitut	EN 60947	40029328

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14-HG1241537-PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z

Compatible products

ferrule

	Item no.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated	216-101
	Item no.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated	216-102
	Item no.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated	216-121
	Item no.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated	216-122
	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	216-131
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	216-132
	Item no.: 216-141 Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	216-141
	Item no.: 216-142 Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	216-142
	Item no.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	216-151
	Item no.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	216-152
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	216-201

	**Item no.: 216-202** Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	216-202
	**Item no.: 216-221** Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	216-221
	**Item no.: 216-222** Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	216-222
	**Item no.: 216-241** Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	216-241
	**Item no.: 216-242** Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	216-242
	**Item no.: 216-262** Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	216-262
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	216-301
	**Item no.: 216-302** Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green	216-302
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	216-321
	**Item no.: 216-322** Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green	216-322
Marking accessories		
	Item no.: 210-332/381-202 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; white	210-332
	Item no.: 210-332/381-204 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; white	210-332
	Item no.: 210-332/381-205 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; white	210-332
	Item no.: 210-332/381-206 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; white	210-332
tools		
	**Item no.: 210-657** Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short	210-657
	**Item no.: 210-720** Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	210-720

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download

CAD/CAE - Smart Data

CAD data

3D Download 235-102/330-000	URL	Download

EPLAN

EPLAN Data Portal	Download

Subject to changes.