

Data sheet | Item number: 235-775

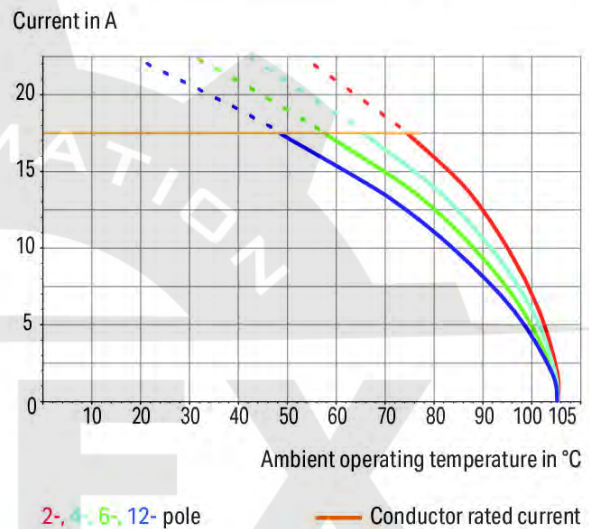
Stackable PCB terminal block; push-button; 1.5 mm²; Pin spacing 3.81 mm;
1-pole; Push-in CAGE CLAMP®; 1,50 mm²; white



235-775



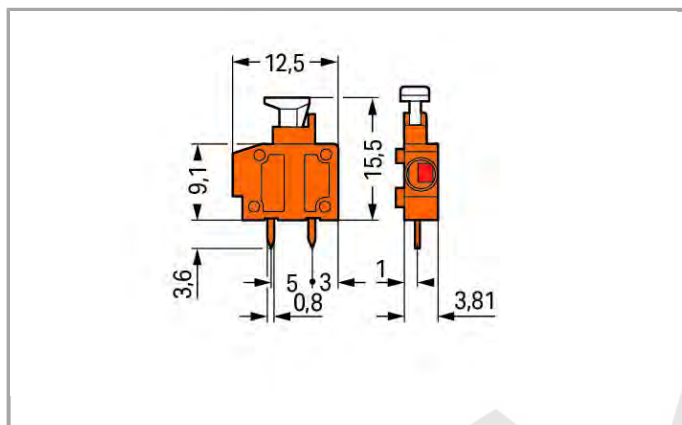
Current-Carrying Capacity Curve
Pin spacing: 3.81 mm / Conductor cross-section: 1.5 mm²"e"
Based on: EN 60512-5-2 / Reduction factor: 1



RoHS Compliant

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

Color:



Item description

- Modular PCB terminal blocks with push-buttons for custom terminal strip assemblies
- Push-in terminations of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons

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

Geometrical Data

Pin spacing	3.81 mm / 0.15 inch
Width	5.3 mm / 0.209 inch
Height	19.1 mm / 0.752 inch
Height from the surface	15.5 mm / 0.61 inch
Depth	12.5 mm / 0.492 inch
Solder pin length	3.6 mm
Solder pin dimensions	0.4 x 0.8 mm
Drilled hole diameter (tolerance)	1 ^{- ... +0.1} mm

PCB contact

PCB contact	THT
Solder pin arrangement	within the terminal block, in line
Number of solder pins per potential	2

Material Data

Color	white
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	0.01 MJ
Weight	0.585 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	4044918832984
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

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	CCA DEKRA Certification B.V.	EN 60998	NTR NL-6919
	CCA DEKRA Certification B.V.	EN 60947	2149549.02



CCA	CCA DEKRA Certification B.V.	EN 60947	NTR NL- 7144
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL- 7625
	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

General accessories

	Item no.: 235-316 Spacer; for doubling the pin spacing; orange	235-316
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**

210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft

ferrule**Item no.: 216-101**

216-101

Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated

**Item no.: 216-102**

216-102

Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated

**Item no.: 216-103**

216-103

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

**Item no.: 216-121**

216-121

Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated

**Item no.: 216-122**

216-122

Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated

**Item no.: 216-123**

216-123

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

**Item no.: 216-131**

216-131

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated

**Item no.: 216-132**

216-132

Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

**Item no.: 216-141**

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

**Item no.: 216-142**

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

**Item no.: 216-143**

216-143

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

**Item no.: 216-151**

216-151

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated

**Item no.: 216-152**

216-152

Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

**Item no.: 216-201**

216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

**Item no.: 216-202**

216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

**Item no.: 216-203**

216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

**Item no.: 216-221**

216-221

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

**Item no.: 216-222**

216-222

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

	Item no.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	216-223
	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.: 216-243 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	216-243
	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.: 216-263 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	216-263
	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
End plate		
	Item no.: 235-100 End plate; snap-fit type; 1 mm thick; gray	235-100
	Item no.: 235-200 End plate; snap-fit type; 1 mm thick; dark gray	235-200
	Item no.: 235-400 End plate; snap-fit type; 1 mm thick; blue	235-400
	Item no.: 235-500 End plate; snap-fit type; 1 mm thick; black	235-500
	Item no.: 235-550 End plate; snap-fit type; 1 mm thick; yellow	235-550
	Item no.: 235-600 End plate; snap-fit type; 1 mm thick; orange	235-600
	Item no.: 235-700 End plate; snap-fit type; 1 mm thick; light green	235-700
	Item no.: 235-800 End plate; snap-fit type; 1 mm thick; red	235-800
	Item no.: 235-850 End plate; snap-fit type; 1 mm thick; white	235-850



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 /381-202
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 /381-204
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 /381-205
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 /381-206

Downloads

Documentation

Additional Information

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

CAD data

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EPLAN

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Subject to changes.