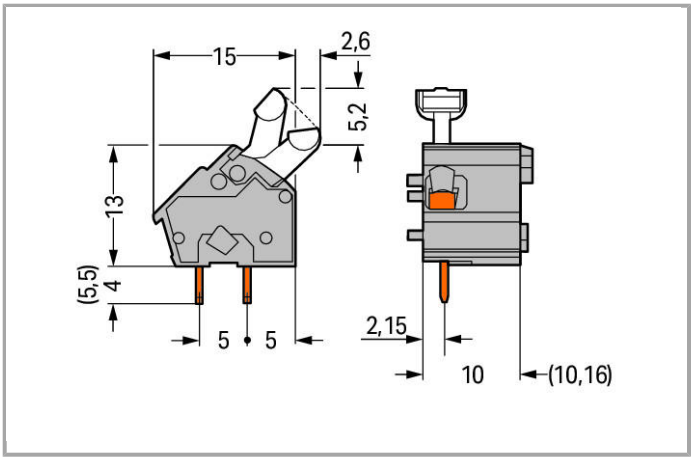
Data sheet | Item number: 256-766

Stackable PCB terminal block; Push-button; 2.5 mm²; Pin spacing 10/10.16 mm; 1-pole; CAGE CLAMP®; commoning option

www.wago.com/256-766





Item description

- PCB modular terminal blocks with push-buttons and CAGECLAMP® connection
- Versions with Ex approval
- Set to metric or inch pin spacing by compressing PCB terminal strips orpulling them apart
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/: Other colors, Solder pin length: 5.5 mm,Versions for Ex e II and Ex i

Data

Electrical data

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Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated voltage (III / 2)	630 V
Rated impulse voltage (III / 2)	6 kV
Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	6 kV
Rated current	24 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm²
Fine-stranded conductor with ferrule without plastic collar	0.25 … 1.5 mm²
Strip length	5 … 6 mm / 0.2 … 0.24 Inch
Conductor entry angle to the PCB	45 °
No. of poles	1
Number of levels	1
Total number of connection points	1
Total number of potentials	1
Number of connection types	1

Geometrical Data

Pin spacing	10/10.16 mm / 0.394/0.4 inch

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Width	12.8 mm / 0.504 inch
Height	22.2 mm / 0.874 inch
Height from the surface	18.2 mm / 0.717 inch
Depth	17.6 mm / 0.693 inch
Solder pin length	4 mm
Solder pin dimensions	0.7 x 0.7 mm
Drilled hole diameter (tolerance)	$1.1^{(+\,0.1)}$ 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	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 (Ecu)
Contact plating	tin-plated
Fire load	0.027 MJ
Weight	1.365 g

Environmental Requirements

Limit temperature range	-60 … +105 °C

Commercial data

Country of origin	CH
GTIN	4044918810319
Product Group	4 (Printed Circuit)

Approvals / Certificates

Country specific Approvals

Logo	Approval	Certificate name
	CCA DEKRA Certification B.V.	2160584.34
	CCA	NTR NL-7138

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	DEKRA Certification B.V.	
	CCA DEKRA Certification B.V.	2175633.01
	CSA DEKRA Certification B.V.	70049157

Ship Approvals

Logo	Approval	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	TAE000016Z

UL-Approvals

Logo	Approval	Certificate name
	UL UL International Germany GmbH	E45172

Compatible products

check

	Item no.: 249-114 Test plug adapter; suitable for 255, 256, 257 Series PCB terminal blocks; 1-pole; Pin spacing 10 mm / 0.394 in	www.wago.com/249-114
	Item no.: 249-115 Test plug adapter; suitable for 255, 256, 257 Series PCB terminal blocks; 1-pole; Pin spacing 10.16 mm / 0.4 in	www.wago.com/249-115

End plate

	Item no.: 256-100 End plate; snap-fit type; 1 mm thick	www.wago.com/256-100
	Item no.: 256-200 End plate; snap-fit type; 1 mm thick	www.wago.com/256-200
	Item no.: 256-300 End plate; snap-fit type; 1 mm thick	www.wago.com/256-300
	Item no.: 256-400 End plate; snap-fit type; 1 mm thick	www.wago.com/256-400

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	**Item no.: 256-500** End plate; snap-fit type; 1 mm thick	www.wago.com/256-500
	**Item no.: 256-600** End plate; snap-fit type; 1 mm thick	www.wago.com/256-600
	**Item no.: 256-700** End plate; snap-fit type; 1 mm thick	www.wago.com/256-700
	**Item no.: 256-800** End plate; snap-fit type; 1 mm thick	www.wago.com/256-800

Marking accessories

	Item no.: 210-332/1000-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	www.wago.com/210-332/1000-202
	Item no.: 210-332/1000-204 Marking strips; as a DIN A4 sheet; MARKED; 17-31 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	www.wago.com/210-332/1000-204
	Item no.: 210-332/1000-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	www.wago.com/210-332/1000-206
	Item no.: 210-332/1016-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	www.wago.com/210-332/1016-202
	Item no.: 210-332/1016-204 Marking strips; as a DIN A4 sheet; MARKED; 17-31 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	www.wago.com/210-332/1016-204
	Item no.: 210-332/1016-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive	www.wago.com/210-332/1016-206

ferrule

	**Item no.: 216-101** Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated	www.wago.com/216-101
	**Item no.: 216-102** Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated	www.wago.com/216-102
	**Item no.: 216-103** Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-103
	**Item no.: 216-104** Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-104
	**Item no.: 216-121** Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated	www.wago.com/216-121
	**Item no.: 216-122** Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated	www.wago.com/216-122

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	**Item no.: 216-123** Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-123
	**Item no.: 216-124** Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-124
	**Item no.: 216-131** Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-131
	**Item no.: 216-132** Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-132
	**Item no.: 216-141** Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	www.wago.com/216-141
	**Item no.: 216-142** Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	www.wago.com/216-142
	**Item no.: 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	www.wago.com/216-143
	**Item no.: 216-144** Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	www.wago.com/216-144
	**Item no.: 216-151** Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-151
	**Item no.: 216-152** Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-152
	**Item no.: 216-201** Ferrule; Sleeve for 0.5 mm² / AWG 22; insulated; electro-tin plated	www.wago.com/216-201
	**Item no.: 216-202** Ferrule; Sleeve for 0.75 mm² / AWG 20; insulated; electro-tin plated	www.wago.com/216-202
	**Item no.: 216-203** Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated	www.wago.com/216-203
	**Item no.: 216-204** Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated	www.wago.com/216-204
	**Item no.: 216-221** Ferrule; Sleeve for 0.5 mm² / AWG 22; insulated; electro-tin plated	www.wago.com/216-221
	**Item no.: 216-222** Ferrule; Sleeve for 0.75 mm² / AWG 20; insulated; electro-tin plated	www.wago.com/216-222
	**Item no.: 216-223** Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated	www.wago.com/216-223
	**Item no.: 216-224** Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated	www.wago.com/216-224
	**Item no.: 216-241** Ferrule; Sleeve for 0.5 mm² / AWG 22; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-241
	Item no.: 216-242	

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	Ferrule; Sleeve for 0.75 mm² / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/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	www.wago.com/216-243
	**Item no.: 216-244** Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-244
	**Item no.: 216-262** Ferrule; Sleeve for 0.75 mm² / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/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	www.wago.com/216-263
	**Item no.: 216-264** Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-264
	**Item no.: 216-284** Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-284
	**Item no.: 216-301** Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated	www.wago.com/216-301
	**Item no.: 216-302** Ferrule; Sleeve for 0.34 mm² / AWG 24; insulated; electro-tin plated	www.wago.com/216-302
	**Item no.: 216-321** Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated	www.wago.com/216-321
	**Item no.: 216-322** Ferrule; Sleeve for 0.34 mm² / AWG 24; insulated; electro-tin plated	www.wago.com/216-322

tools

	**Item no.: 210-658** Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled	www.wago.com/210-658
	**Item no.: 210-720** Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	www.wago.com/210-720

Downloads

CAD files

CAD data

3D Download 256-766		URL	Download

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 Nov 17, 2017	ZIP 23.9 MB	Download
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

Subject to changes.

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