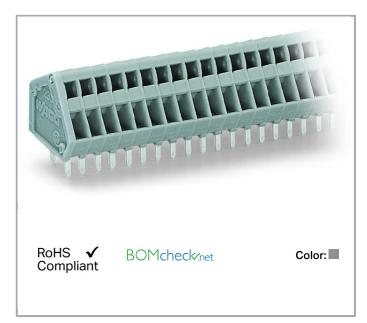
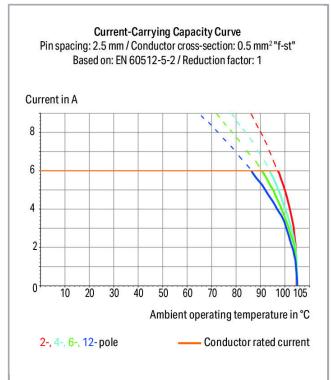
PCB terminal block; 0.5 mm²; Pin spacing 2.5 mm; 8-pole; CAGE CLAMP[®];

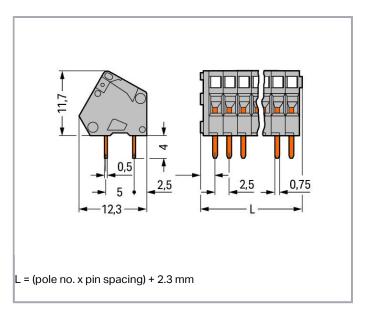
0,50 mm²; gray

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 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Item description

- Compact terminal strips with CAGE CLAMP connection and screwdriver actuation parallel or perpendicular to conductor entry
- Double solder pins for high mechanical stability
- Custom color combinations

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	63 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	6 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Approvals per UL 1059

Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	4 A
Approvals per	UL 1059

Approvals per CSA

Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	4 A

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 0.5 mm² / 28 20 AWG
Fine-stranded conductor	0.08 0.5 mm² / 28 20 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 mm²

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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0.25 mm ²
5 6 mm / 0.2 0.24 inch
30°
8
8
8
1
1
Terminating 0.75 mm ² /18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size.

Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
Width	22.3 mm / 0.878 inch
Height	15.7 mm / 0.618 inch
Height from the surface	11.7 mm / 0.461 inch
Depth	12.1 mm / 0.476 inch
Solder pin length	4 mm
Solder pin dimensions	0.5 x 0.75 mm
Drilled hole diameter (tolerance)	1.1 ^(+0.1) mm

PCB contact

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

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	0.036 MJ
Weight	2.8 g

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Certificate

Environmental Requirements

Limit temperature range	-60 +105 °C	
Commercial data		
Product Group	4 (Printed Circuit)	
Packaging type	BOX	
Country of origin	СН	
GTIN	4045454049201	

85369010000

Approvals / Certificates

Customs Tariff No.

Country specific Approvals

			Continuate
Logo	Approval	Additional Approval Text	name
	CCA	EN 60998	NTR NL
CCA	DEKRA Certification B.V.		6946
	CCA	EN 60998	2153951.01
KEMA	DEKRA Certification B.V.		
KEMA	CCA DEKRA Certification B.V.	EN 60947-7-4	2169331.02
(1)	CSA DEKRA Certification B.V.	C22.2	1465035

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
ABS:	ABS American Bureau of Shipping	-	19- HG1869876- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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UL-Approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	UL	UL 1059	20190731-
Q I	UL International Germany GmbH		E45172

Counterpart

Compatible products

Marking accessories

Item no.: 210-331/250-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331 /250-202
Item no.: 210-331/250-204 Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331 /250-204
Item no.: 210-331/250-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331 /250-206
Item no.: 210-331/250-207 Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331 /250-207
Item no.: 210-331/254-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331 /254-202
Item no.: 210-331/254-204 Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331 /254-204
Item no.: 210-331/254-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331 /254-206

Subject to changes. Please also observe the further product documentation!

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	Item no.: 210-331/254-207		m/210 221
	Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip	www.wago.co /254-207	111/210-331
	length 182 mm; Horizontal marking; Self-adhesive; white	7254-207	
errule			
	Item no.: 216-131		/01C 101
l.	Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.co	111/216-131
	Item no.: 216-151	www.wago.co	m/216-151
-	Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.co	111/210-131
	Item no.: 216-301	www.wago.co	m/216-301
	Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.co	111/2 10-30 1
	Item no.: 216-321	www.wago.co	m/216-321
	Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.co	1111/2 10-32 1
ools			
	Item no.: 210-647	www.wago.co	m/210-647
	Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.co	111/2 10-04/
	Item no.: 210-648	MARAN MAGGO 00	m/210 649
	Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short	www.wago.co	111/210-040
1	Item no.: 210-719	www.wago.co	-om/210-719
	Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.co	111/210-719
1	Item no.: 233-331	www.wago.co	m/222_221
	Operating tool; insulated; yellow	www.wago.co	111/233-331
12	Item no.: 233-332	www.wago.co	m/233-332
	Operating tool; made of insulating material	www.wago.co	111/200 002
1	Item no.: 233-335	www.wago.co	m/222_225
	Operating tool	www.wago.co	111/200-000
Downloa	ads		
	entation		
dditiona	I Information		
	I explanations Apr 3, 2019	pdf	Download
20	7,p. 0, 2010	3.6 MB	20

CAD/CAE-Data

CAD data

2D/3D Models 233-108 URL Download

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CAE data

EPLAN Data Portal 233-108 URL Download

PCB Design

Symbol and Footprint 233-108

URL Download

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Installation Notes

Inserting a conductor

Subject to changes. Please also observe the further product documentation!

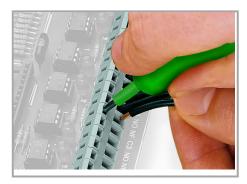
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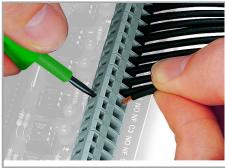
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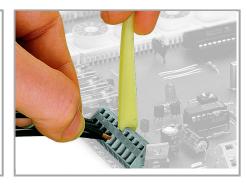




Inserting a conductor via 3.5 mm screwdriver.



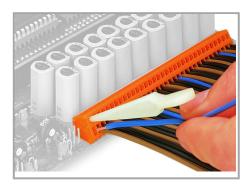
Inserting a conductor via 3.5 mm screwdriver.



Inserting a conductor via operating tool.

Screwdriver actuation parallel to conductor entry.

Screwdriver actuation perpendicular to conductor entry.



Compared to standard screwdrivers, these operating tools are far more convenient for wiring PCB terminal strips at factory.

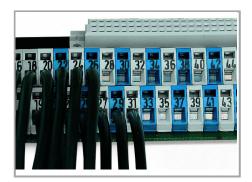
Assembly

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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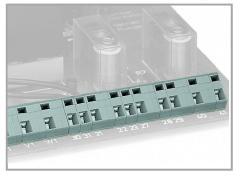
www.wago.com/233-108





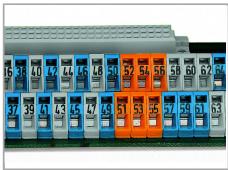
PCB Terminal Strips placed behind each other save space – staggering them by half the pin spacing simplifies subsequent wiring of the first row.

Assembly

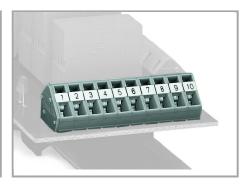


Combining PCB terminal blocks with different pin spacing.

Marking



Labeling via factory direct marking.



Labeling with self-adhesive marking strips.

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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