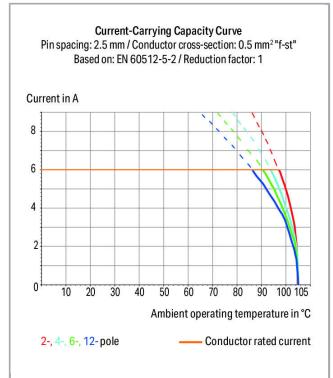
PCB terminal block; 0.5 mm²; Pin spacing 2.54 mm; 8-pole; CAGE CLAMP®;

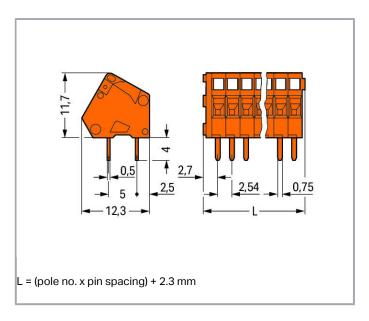
0,50 mm²; orange

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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	2.54 mm / 0.1 inch
Width	22.62 mm / 0.891 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	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	0.044 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	4045454049997	

85369010000

Approvals / Certificates

Customs Tariff No.

Country specific Approvals

Logo	Approval	Additional Approval Text	name
CCA	CCA DEKRA Certification B.V.	EN 60998	NTR NL 6946
KEMA	CCA DEKRA Certification B.V.	EN 60998	2153951.01
KEMA	CCA DEKRA Certification B.V.	EN 60947-7-4	2169331.02
(P	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

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UL-Approvals

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

Counterpart

Compatible products

1	eı	п	uı	е

I	Item no.: 216-131	
,l	Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-131
	Item no.: 216-151	WWW.WOGO 00m/016 1E1
	Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-151
	Item no.: 216-301	www.wogo.com/216-201
	Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-321	
	Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-321
tools		
	Item no.: 210-647	www.wago.com/210-647
	Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-047
	Item no.: 210-648	/040.640
	Operating tool; Blade: 2.5×0.4 mm; with a partially insulated shaft; angled; short	www.wago.com/210-648
	Item no.: 210-719	/040 740
	Operating tool; Blade: 2.5×0.4 mm; with a partially insulated shaft	www.wago.com/210-719
1	Item no.: 233-331	(000,004
	Operating tool; insulated; yellow	www.wago.com/233-331
<i>P</i>	Item no.: 233-332	
	Operating tool; made of insulating material	www.wago.com/233-332

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

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Item no.: 233-335 Operating tool

www.wago.com/233-335

Marking accessorie	S
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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

Item no.: 210-331/254-207

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 /254-207

Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf 3.6 MB Download

CAD/CAE-Data

CAD data

2D/3D Models 233-408

URL

Download

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CAE data

EPLAN Data Portal 233-408 URL Download

PCB Design

Symbol and Footprint 233-408

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!

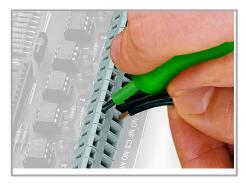
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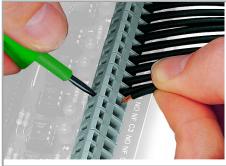
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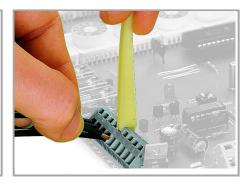




Inserting a conductor via 3.5 mm screwdriver.



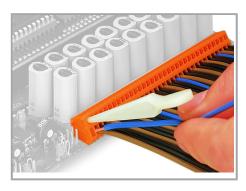
Inserting a conductor via 3.5 mm screwdriver.



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

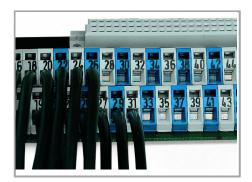
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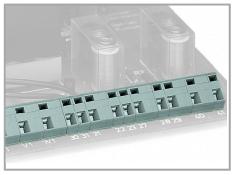
www.wago.com/233-408





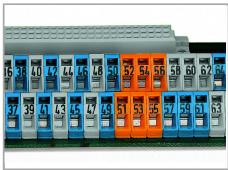
PCB Terminal Strips placed behind each other save space – staggering them by half the pin spacing simplifies subsequent wiring of the first row.

Assembly

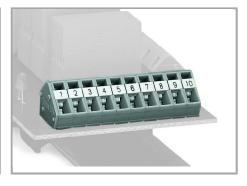


Combining PCB terminal blocks with different pin spacing.

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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