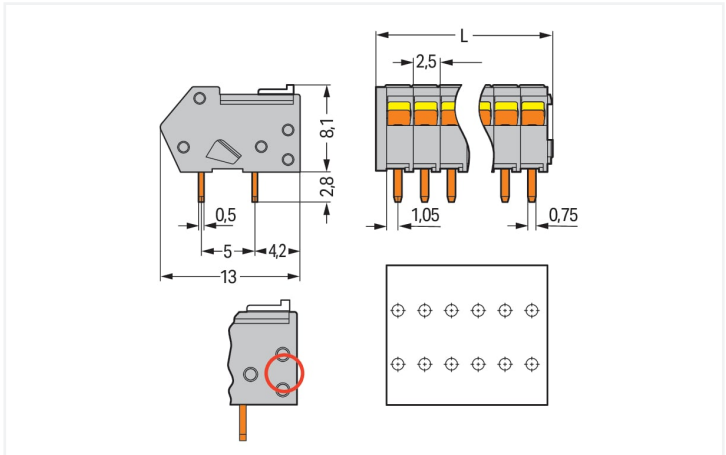
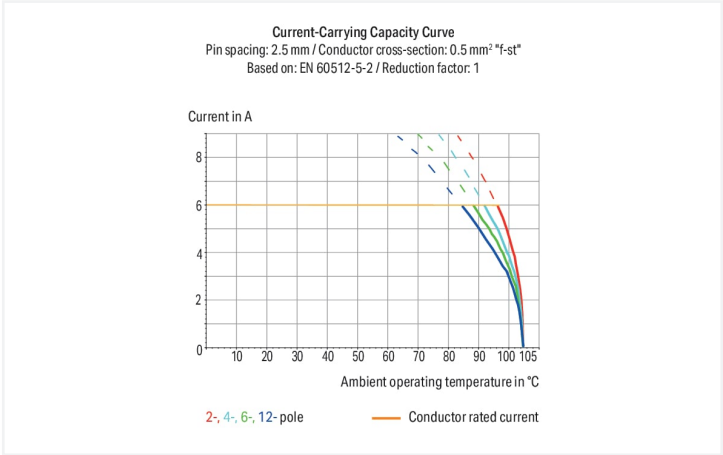




Color: ■ gray                      Similar to illustration



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



- Terminal strips are just 8.1 mm tall and feature an innovative, locking slide-actuated CAGE CLAMP® .
- Several clamping units can be held open simultaneously.
- Easily terminate stranded conductors in tight spaces (e.g., bus connectors).

Notes	
Variants:	Direct marking Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . Other pole numbers Other colors Mixed-color PCB connector strips

Electrical data			
Ratings per		IEC/EN 60664-1	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	80 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	6 A	6 A	6 A

Approvals per		UL 1059		
Use group	B	C	D	
Rated voltage	150 V	-	-	
Rated current	4 A	-	-	



Approvals per		CSA	
Use group	B	C	D
Rated voltage	150 V	-	-
Rated current	4 A	-	-

Connection data			
Clamping units	3	<b>Connection 1</b>	
Total number of potentials	3	Connection technology	CAGE CLAMP®
Number of connection types	1	Actuation type	Slider
Number of levels	1	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 insulated ferrule	0.25 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 mm²
		Note (conductor cross-section)	Terminating 0.75 mm²/18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size.
		Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
		Conductor connection direction to PCB	40 °
		Pole number	3

Physical data		
Pin spacing	2.5 mm / 0.098 inches	
Width	9 mm / 0.354 inches	
Height	10.9 mm / 0.429 inches	
Height from the surface	8.1 mm / 0.319 inches	
Depth	13 mm / 0.512 inches	
Solder pin length	2.8 mm	
Solder pin dimensions	0.5 x 0.75 mm	
Drilled hole diameter with 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	
Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.051 MJ
Weight	1.1 g



Environmental requirements	
Limit temperature range	-60 ... +105 °C

Commercial data	
Product Group	4 (Printed Circuit Connectors)
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 8.0	EC002643
PU (SPU)	1000 (100) pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918877619
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7076	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7785	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947-7-4	77-111038			
CSA DEKRA Certification B.V.	C22.2 No. 158	1565656			
ENEC DEKRA Certification B.V.	EN 60947	2160584.01			
UL UL International Germany GmbH	UL 1059	E45172			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 218-103	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 218-103	EPLAN Data Portal 218-103
	ZUKEN Portal 218-103

PCB Design	
Symbol and Footprint via SamacSys 218-103	
Symbol and Footprint via Ultra Librarian 218-103	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

<a href="#">Item No.: 216-301</a> Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	<a href="#">Item No.: 216-321</a> Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	<a href="#">Item No.: 216-151</a> Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	<a href="#">Item No.: 216-131</a> Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored

1.1.2 Marking

1.1.2.1 Marking strip

<a href="#">Item No.: 210-331/250-202</a> 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	<a href="#">Item No.: 210-331/250-207</a> 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	<a href="#">Item No.: 210-331/250-204</a> 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	<a href="#">Item No.: 210-331/250-206</a> 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

1.1.3 Test and measurement

1.1.3.1 Testing accessories



**Item No.: 735-500**  
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm²

1.1.4 Tool

1.1.4.1 Operating tool



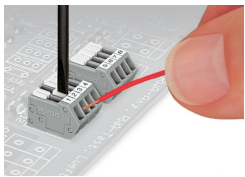
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



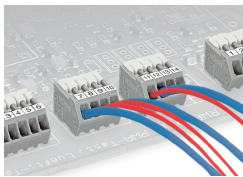
**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

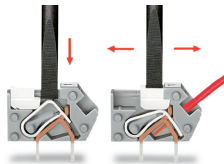
Conductor termination



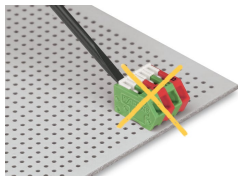
Terminating stranded conductors in confined spaces requires a great deal of patience, unless you use the new 218 Series PCB Terminal Strips. The clamping units of these strips can be held open during termination process via integrated locking slide.



Terminating 0.75 mm²/18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size.



Conductor termination: To momentarily open the clamping unit, use screwdriver and then insert a stripped conductor. To open clamping unit for an extended period, move locking slide toward conductor entry hole. Then fully insert stripped conductor and move locking slide back to original position (also possible to perform with fingernail).

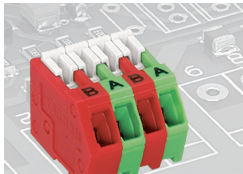


Incorrect – do not operate the locking slides from the back.

Marking

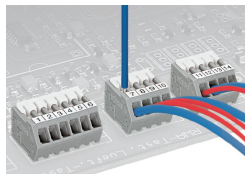


Labeling with self-adhesive marking strips.



Labeling via factory direct marking.

Testing



Testing directly on the clamping spring.

