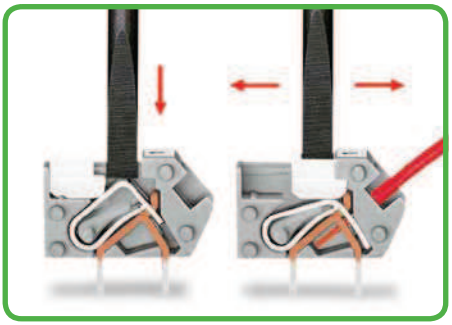
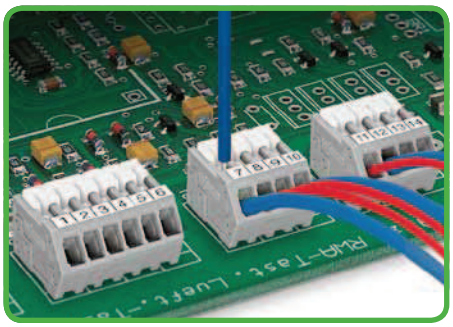
PCB Terminal Strips, Description and Handling 218, 233 and 234 Series

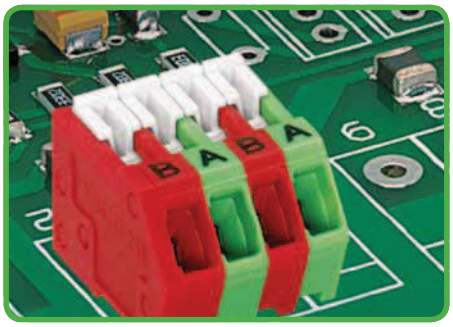
218 Series



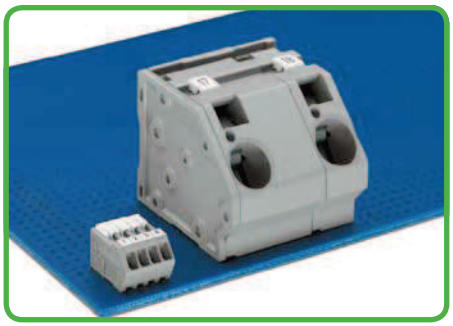
Conductor termination: To momentarily open clamping unit, use screwdriver and then insert stripped conductor. To open clamping unit for extended period, move locking slide toward conductor entry hole. Then fully insert stripped conductor and move locking slide back to original position (also possible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



Testing directly on the clamping spring.
Marking with self-adhesive marking strips.

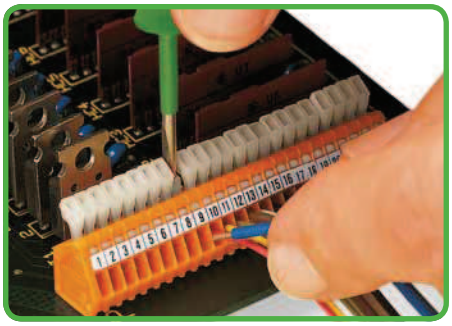


Factory direct printing.

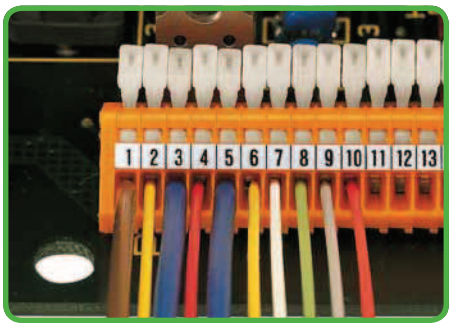


Size comparison between 218 Series and 745 Series high-current terminal blocks.

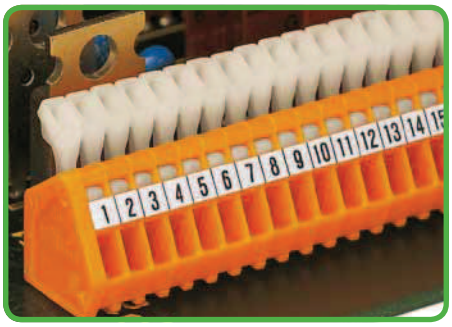
233 Series



Inserting/removing conductor.

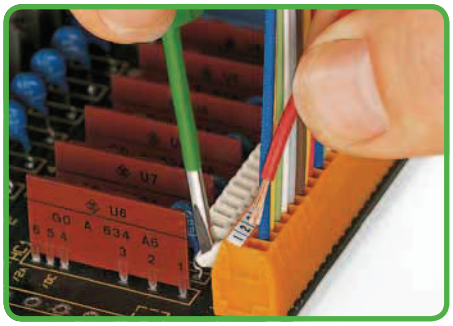


Nominal cross-section 0.5 mm²/AWG 20;
0.75 mm²/AWG 18 only in every other position.



Marking via self-adhesive marking strips (see figure) or factory direct printing.

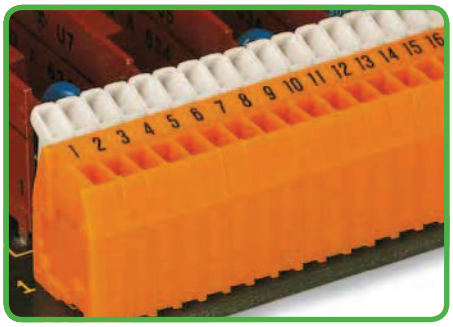
234 Series



Inserting/removing conductor.



Nominal cross-section 0.5 mm²/AWG 20;
0.75 mm²/AWG 18 only in every other position.



Marking via factory direct printing (see figure) or self-adhesive marking strips.

CAGE CLAMP® clamps the following copper conductors:



solid



stranded



fine-stranded



tip-bonded



with ferrule

Strip length, see packaging or instructions.

Terminal Strips with Locking Slides 0.5 mm²
Pin Spacing 2.5 mm and 2.54 mm
218 Series

Pin spacing 2.5 mm / 0.098 in
0.08 - 0.5 mm² ❶ | AWG 28 - 20 ❶
160 V/2.5 kV/2 | 150 V, 4 A
I_N 6 A
5 - 6 mm / 0.22 in
❷ Approvals

Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❶ | AWG 28 - 20 ❶
160 V/2.5 kV/2 | 150 V, 4 A
I_N 6 A
5 - 6 mm / 0.22 in
❷ Approvals

Accessories





Pole No.	Item No.	Pack. Unit
1-conductor terminal strip with locking slides,		
2 solder pins/pole in line, gray,		
locking slides, white		
2	**218-102**	1000 (10x100)
3	**218-103**	1000 (10x100)
4	**218-104**	500 (5x100)
5	**218-105**	500 (5x100)
6	**218-106**	280 (4x70)
7	**218-107**	240 (4x60)
8	**218-108**	220 (4x55)
9	**218-109**	200 (4x50)
10	**218-110**	180 (4x45)
11	**218-111**	160 (4x40)
12	**218-112**	140 (4x35)
13	**218-113**	140 (4x35)
14	**218-114**	120 (4x30)
15	**218-115**	120 (4x30)
16	**218-116**	100 (4x25)
:	:	
21	**218-121**	80 (4x20)
22	**218-122**	80 (4x20)
23	**218-123**	80 (4x20)
24	**218-124**	60 (4x15)

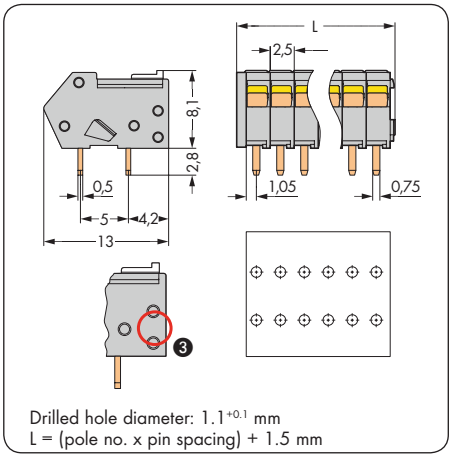
Pole No.	Item No.	Pack. Unit
1-conductor terminal strip with locking slides,		
2 solder pins/pole in line, gray,		
locking slides, white		
2	**218-502**	1000 (10x100)
3	**218-503**	1000 (10x100)
4	**218-504**	500 (5x100)
5	**218-505**	500 (5x100)
6	**218-506**	280 (4x70)
7	**218-507**	240 (4x60)
8	**218-508**	220 (4x55)
9	**218-509**	200 (4x50)
10	**218-510**	180 (4x45)
11	**218-511**	160 (4x40)
12	**218-512**	140 (4x35)
13	**218-513**	140 (4x35)
14	**218-514**	120 (4x30)
15	**218-515**	120 (4x30)
16	**218-516**	100 (4x25)
:	:	
21	**218-521**	80 (4x20)
22	**218-522**	80 (4x20)
23	**218-523**	80 (4x20)
24	**218-524**	60 (4x15)

Item no. suffix for terminal strips in	
red	**. . . /000-005**
blue	**. . . /000-006**
orange	**. . . /000-012**
green	**. . . /000-023**
Locking slides, white	

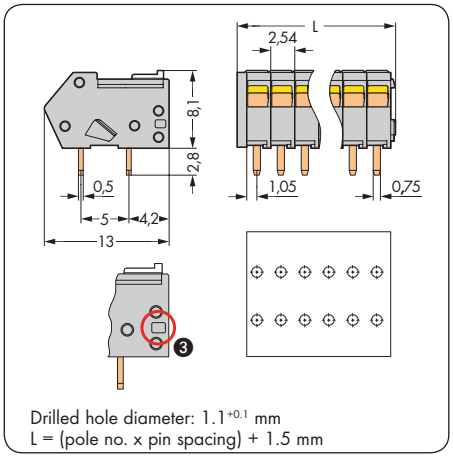
Ordering example:
Terminal strip, 2.5 mm pin spacing, 8-pole, orange
2 solder pins in line **218-108/000-012**

Accessories, 218 Series	Item No.	
Marker cards,		
	100 self-adhesive strips per card	
	Pin spacing 2.5 mm	
	1-16 (400x)	**210-331/250-202**
	17-32 (400x)	**210-331/250-204**
	Pin spacing 2.54 mm	
	1-16 (400x)	**210-331/254-202**
	17-32 (400x)	**210-331/254-204**
For direct printing, please contact factory.		
Test pin, 1 mm Ø,		
	with solder connection for test cable	**735-500** 1
Operating tool with partially insulated shaft,		
	type 1, (2.5 x 0.4) mm blade	**210-719** 1
Operating tool, partially insulated		
		**233-335** 1
	insulated	**233-332** 25

Dimensions



Drilled hole diameter: 1.1$^{+0.1}$ mm
L = (pole no. x pin spacing) + 1.5 mm



Drilled hole diameter: 1.1$^{+0.1}$ mm
L = (pole no. x pin spacing) + 1.5 mm

❶ 0.75 mm²/AWG 18 only in every other position

❸ A groove at the back of the terminal strip differentiates between the two pin spacings.

❷ Approvals are available online at: www.wago.com.

For technical explanations and abbreviations, see technical section.

WAGO®

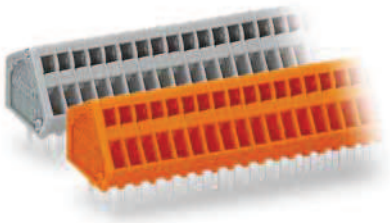
PCB Terminal Strips 0.5 mm²
Pin Spacing 2.5 mm and 2.54 mm
233 and 234 Series

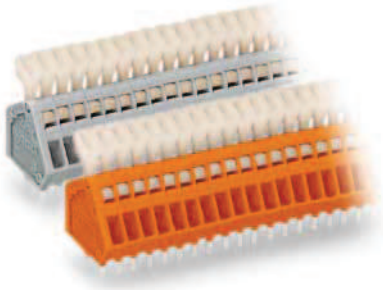
CAGE CLAMP®

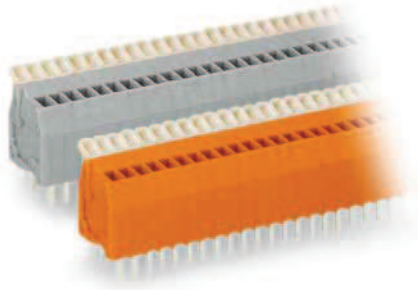
Pin spacing 2.5 mm / 0.098 in
Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❷ | **AWG 28 - 20 ❷**
250 V/2.5 kV/2 | **150 V, 4 A**
I_N 6 A
5 - 6 mm / 0.22 in
❶ Approvals

Pin spacing 2.5 mm / 0.098 in
Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❷ | **AWG 28 - 20 ❷**
160 V/2.5 kV/2 | **150 V, 4 A**
I_N 6 A
5 - 6 mm / 0.22 in
❶ Approvals

Pin spacing 2.5 mm / 0.098 in
Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❷ | **AWG 28 - 20 ❷**
160 V/2.5 kV/2 | **150 V, 4 A**
I_N 6 A
5 - 6 mm / 0.22 in
❶ Approvals







Pole No.	Item No.	Item No.	Pack. Unit
Terminal strip without push-buttons,			
standard lengths, other lengths upon request,			
2 solder pins/pole			
Pin spacing	2.5 mm gray	2.54 mm orange	
2	**233-102**	**233-402**	600 (6x100)
3	**233-103**	**233-403**	500 (4x125)
4	**233-104**	**233-404**	400 (4x100)
5	**233-105**	**233-405**	340 (4x85)
6	**233-106**	**233-406**	280 (4x70)
7	**233-107**	**233-407**	240 (4x60)
8	**233-108**	**233-408**	220 (4x55)
9	**233-109**	**233-409**	200 (4x50)
10	**233-110**	**233-410**	180 (4x45)
12	**233-112**	**233-412**	140 (4x35)
16	**233-116**	**233-416**	100 (4x25)
24	**233-124**	**233-424**	80 (4x20)
Terminal strips without push-buttons cannot be retrofitted with push-buttons!			
For other colors, please contact factory.			

Pole No.	Item No.	Item No.	Pack. Unit
Terminal strip with push-buttons,			
standard lengths, other lengths upon request,			
2 solder pins/pole			
Pin spacing	2.5 mm gray	2.54 mm orange	
2	**233-202**	**233-502**	600 (6x100)
3	**233-203**	**233-503**	500 (4x125)
4	**233-204**	**233-504**	400 (4x100)
5	**233-205**	**233-505**	340 (4x85)
6	**233-206**	**233-506**	280 (4x70)
7	**233-207**	**233-507**	240 (4x60)
8	**233-208**	**233-508**	220 (4x55)
9	**233-209**	**233-509**	200 (4x50)
10	**233-210**	**233-510**	180 (4x45)
12	**233-212**	**233-512**	140 (4x35)
16	**233-216**	**233-516**	100 (4x25)
24	**233-224**	**233-524**	80 (4x20)
For other colors, please contact factory.			

Pole No.	Item No.	Item No.	Pack. Unit
Terminal strip with push-buttons,			
standard lengths, other lengths upon request,			
2 solder pins/pole			
Pin spacing	2.5 mm gray	2.54 mm orange	
2	**234-202**	**234-502**	600 (6x100)
3	**234-203**	**234-503**	520 (4x130)
4	**234-204**	**234-504**	400 (4x100)
5	**234-205**	**234-505**	340 (4x85)
6	**234-206**	**234-506**	280 (4x70)
7	**234-207**	**234-507**	240 (4x60)
8	**234-208**	**234-508**	220 (4x55)
9	**234-209**	**234-509**	200 (4x50)
10	**234-210**	**234-510**	180 (4x45)
12	**234-212**	**234-512**	140 (4x35)
16	**234-216**	**234-516**	100 (4x25)
24	**234-224**	**234-524**	80 (4x20)
For other colors, please contact factory.			

Accessories, 233 and 234 Series

Marker cards, 100 self-adhesive



strips per card

Marking	Pin spacing 2.5 mm	Pin spacing 2.54 mm
1-16 (400 x)	**210-331/250-202**	**210-331/254-202**
17-32 (400 x)	**210-331/250-204**	**210-331/254-204**
33-48 (400 x)	**210-331/250-206**	**210-331/254-206**

For direct printing, please contact factory.

Operating tool, for professional wiring of terminal strips



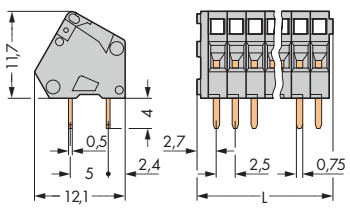
partially insulated **233-335** 1
insulated **233-332** 25

Operating tool with partially insulated shaft,

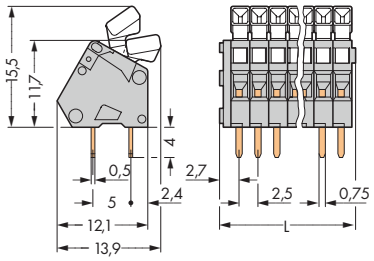


type 1, (2.5 x 0.4)mm blade
210-719 1

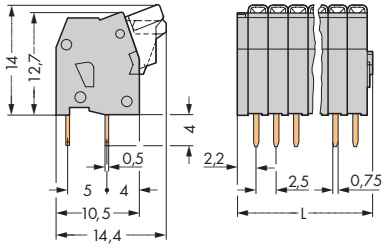
Dimensions



Drilled hole diameter: $1.1^{+0.1}$ mm
L = (pole no. x pin spacing) + 2.3 mm



Drilled hole diameter: $1.1^{+0.1}$ mm
L = (pole no. x pin spacing) + 2.3 mm



Drilled hole diameter: $1.1^{+0.1}$ mm
L = (pole no. x pin spacing) + 2.2 mm

❶ Approvals are available online at: www.wago.com.
For technical explanations and abbreviations, see technical section.

❷ 0.75 mm²/AWG 18 only in every other position