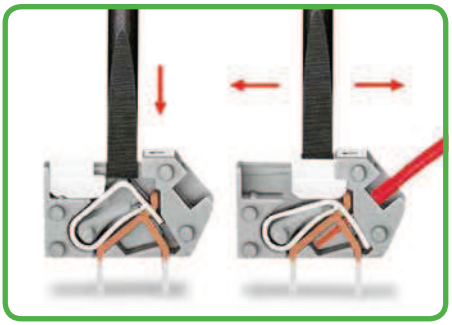
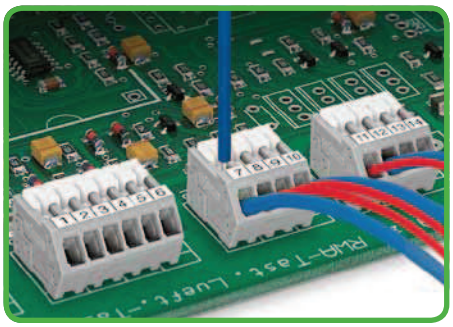
PCB Terminal Strips, Description and Handling 218, 233 and 234 Series

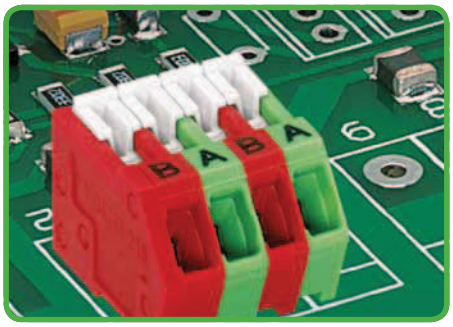
218 Series



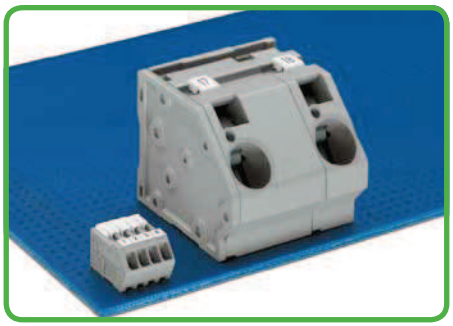
Conductor termination: To momentarily open clamping unit, use screwdriver and then insert stripped conductor. To open clamping unit for extended period, move locking slide toward conductor entry hole. Then fully insert stripped conductor and move locking slide back to original position (also possible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



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

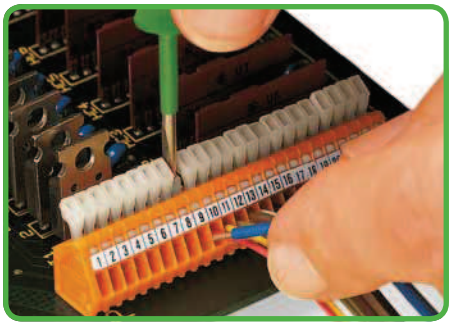


Factory direct printing.

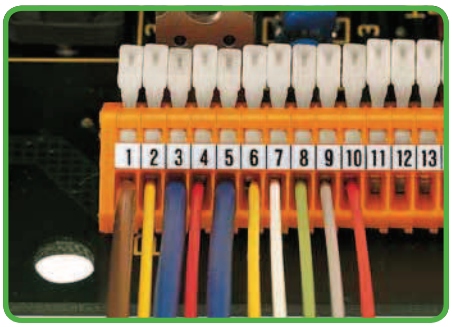


Size comparison between 218 Series and 745 Series high-current terminal blocks.

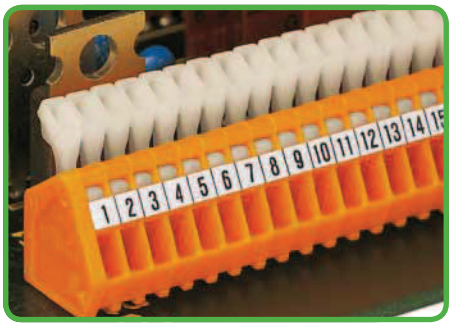
233 Series



Inserting/removing conductor.

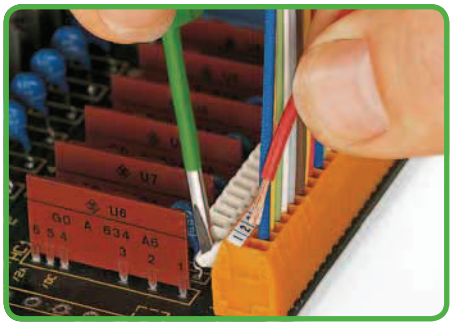


Nominal cross-section 0.5 mm²/AWG 20;
0.75 mm²/AWG 18 only in every other position.



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

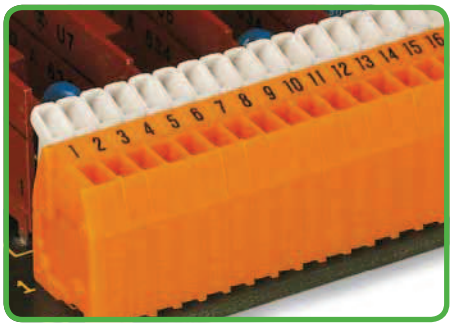
234 Series



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)

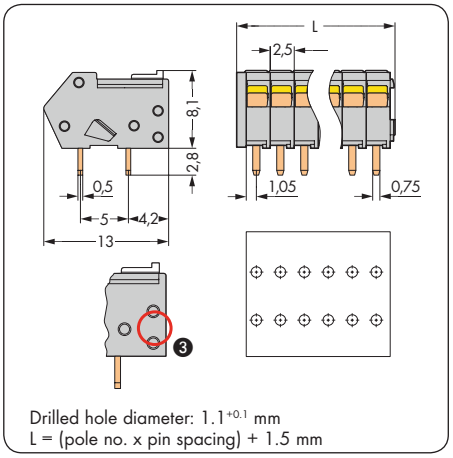
Pole No.	Item No.	Pack. Unit
1-conductor terminal strip with locking slides,		
2 solder pins/pole in line, gray,		
locking slides, white		
2	**218-502**	1000 (10x100)
3	**218-503**	1000 (10x100)
4	**218-504**	500 (5x100)
5	**218-505**	500 (5x100)
6	**218-506**	280 (4x70)
7	**218-507**	240 (4x60)
8	**218-508**	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	

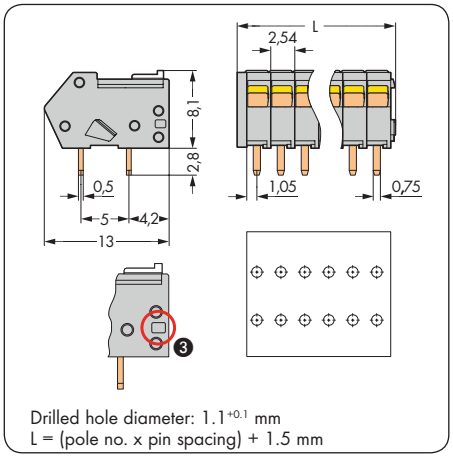
Ordering example:
Terminal strip, 2.5 mm pin spacing, 8-pole, orange
2 solder pins in line **218-108/000-012**

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®

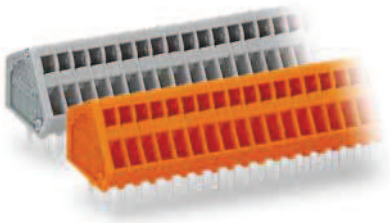
PCB Terminal Strips 0.5 mm²
Pin Spacing 2.5 mm and 2.54 mm
233 and 234 Series

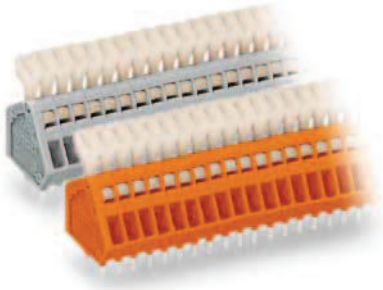
CAGE CLAMP®

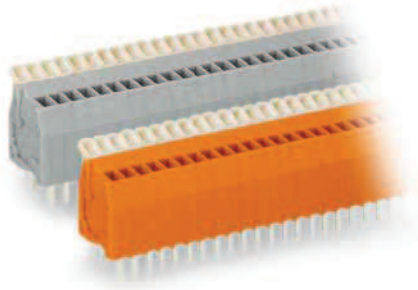
Pin spacing 2.5 mm / 0.098 in
Pin spacing 2.54 mm / 0.1 in
0.08 - 0.5 mm² ❷ | **AWG 28 - 20 ❷**
250 V/2.5 kV/2 | **150 V, 4 A**
I_N 6 A
5 - 6 mm / 0.22 in
❶ Approvals

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



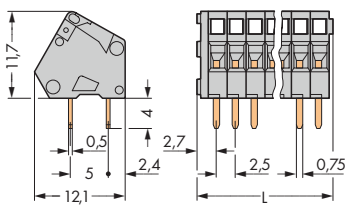
partially insulated **233-335** 1
insulated **233-332** 25

Operating tool with partially insulated shaft,

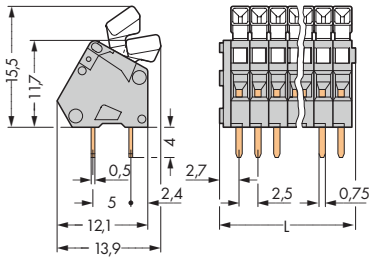


type 1, (2.5 x 0.4)mm blade
210-719 1

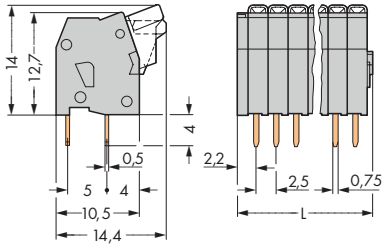
Dimensions



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



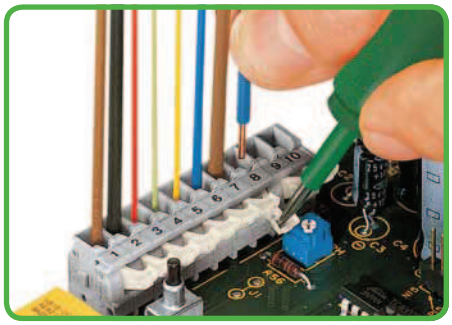
Drilled hole diameter: $1.1^{+0.1}$ mm
L = (pole no. x pin spacing) + 2.2 mm

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

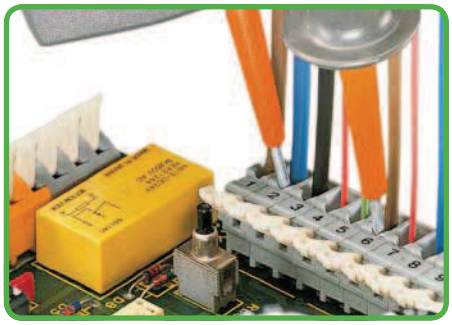
❷ 0.75 mm²/AWG 18 only in every other position

PCB Terminal Strips, Description and Handling 255, 256 and 257 Series

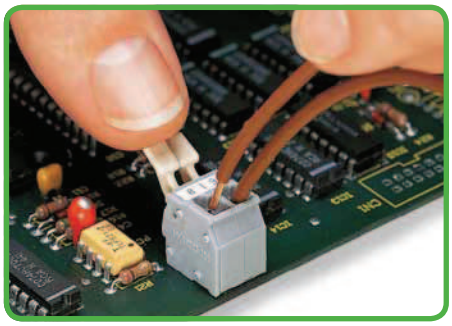
255 Series



Inserting/removing conductor via push-button – 255 Series.

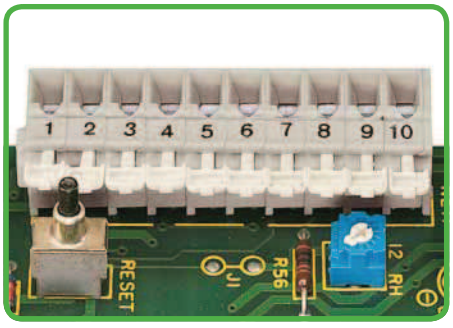


Testing with test probes.



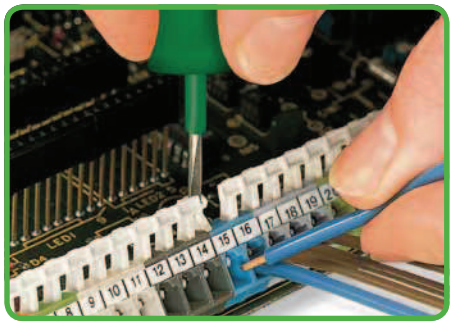
Inserting/removing conductor via finger-operated lever – 255 Series.

For terminal strips with finger-operated levers, see Full Line Catalog, Volume 2.



Factory direct printing.

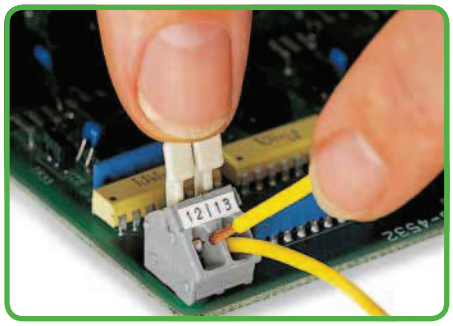
256 Series



Inserting/removing conductor via push-button – 256 Series.

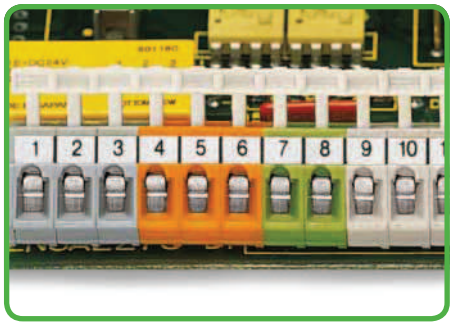


Possible conductor arrangement with terminal strips staggered (for 256 Series only).



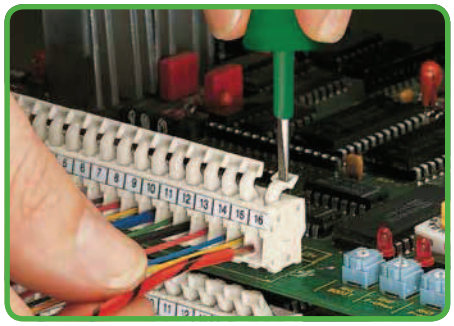
Inserting/removing conductor via finger-operated lever – 256 Series.

For terminal strips with finger-operated levers, see Full Line Catalog, Volume 2.

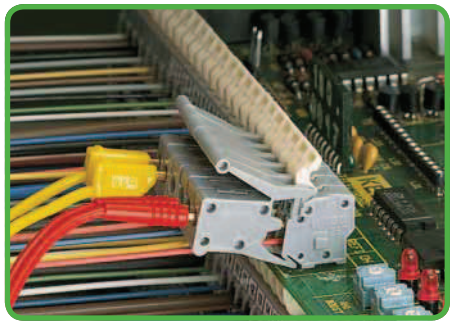


Marking with self-adhesive marking strips.

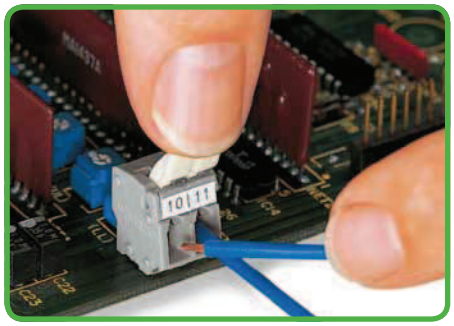
257 Series



Inserting/removing conductor via push-button – 257 Series.
Angled push-button, side-entry.
Straight push-button, front-entry.

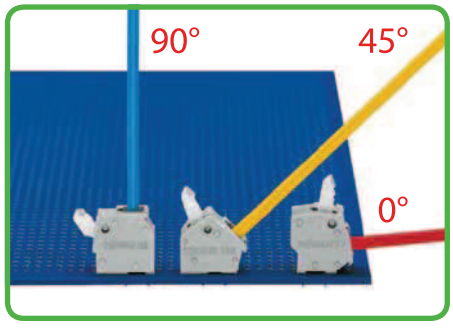


Testing with test plug adapter.



Inserting/removing conductor via finger-operated lever – 257 Series.

For terminal strips with finger-operated levers, see Full Line Catalog, Volume 2.

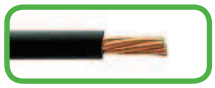


Series 255 256 257
Conductor entry angles.

CAGE CLAMP® clamps the following copper conductors:



solid



stranded



fine-stranded



tip-bonded



with ferrule

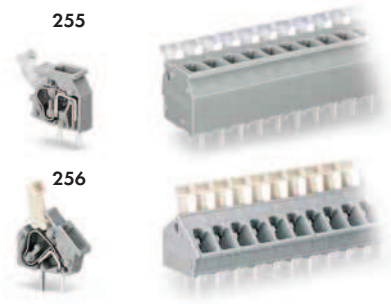


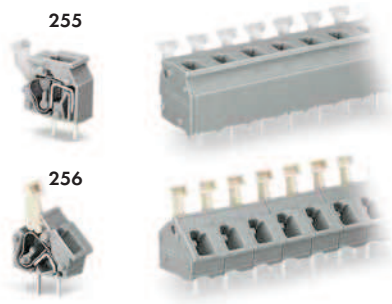
with pin terminal

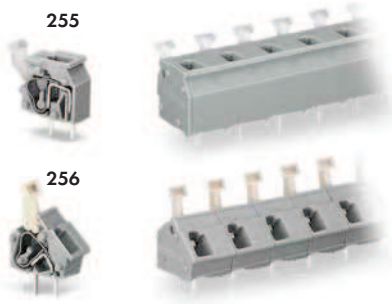
Strip length, see packaging or instructions.

PCB Modular Terminal Blocks and Terminal Strips 2.5 mm²
Pin Spacing 5/5.08 mm, 7.5/7.62 mm and 10/10.16 mm
255 and 256 Series

Pin spacing 5/5.08 mm / 0.2 in	Pin spacing 7.5/7.62 mm / 0.3 in	Pin spacing 10/10.16 mm / 0.4 in
0.08 - 2.5 mm² | AWG 28 - 12*	0.08 - 2.5 mm² | AWG 28 - 12*	0.08 - 2.5 mm² | AWG 28 - 12*
250 V/4 kV/3, 16 A | 300 V, 15 A	400 V/6 kV/3, 16 A | 300 V, 15 A	500 V/6 kV/3, 16 A | 300 V, 15 A
500 V/4 kV/2, 16 A | 300/600 V, 15/5 A	800 V/6 kV/2, 16 A | 300/600 V, 15/5 A	1000 V/6 kV/2, 16 A | 300/600 V, 15/5 A
5 - 6 mm / 0.22 in	5 - 6 mm / 0.22 in	5 - 6 mm / 0.22 in
❶ Approvals	❶ Approvals	❶ Approvals







Color Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Modular terminal block,				
2 solder pins/pole				
gray	**255-401**	500	**256-401**	600
red	**255-740**	500	**256-740**	600
dark gray	**255-742**	500	**256-742**	600
light gray (Ex)	**255-743**	500	**256-743**	600
blue	**255-744**	500	**256-744**	600
orange	**255-746**	500	**256-746**	600
light green	**255-747**	500	**256-747**	600
Terminal strip, gray, standard lengths,**				
2 solder pins/pole				
2	**255-402**	400	**256-402**	400
3	**255-403**	280	**256-403**	280
4	**255-404**	200	**256-404**	200
:	:	:		
9	**255-409**	100	**256-409**	100
10	**255-410**	80	**256-410**	80
12	**255-412**	60	**256-412**	60
16	**255-416**	60	**256-416**	60
24	**255-424**	40	**256-424**	40
36	**255-436**	20	**256-436**	20
48	**255-448**	20	**256-448**	20

Color Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Modular terminal block,				
2 solder pins/pole				
gray	**255-501**	400	**256-501**	400
red	**255-750**	400	**256-750**	400
dark gray	**255-752**	400	**256-752**	400
light gray (Ex)	**255-753**	400	**256-753**	400
blue	**255-754**	400	**256-754**	400
orange	**255-756**	400	**256-756**	400
light green	**255-757**	400	**256-757**	400
Terminal strip, gray, standard lengths,**				
2 solder pins/pole				
2	**255-502**	280	**256-502**	280
3	**255-503**	180	**256-503**	180
4	**255-504**	140	**256-504**	140
:	:	:		
7	**255-507**	80	**256-507**	80
8	**255-508**	60	**256-508**	60
9	**255-509**	60	**256-509**	60
10	**255-510**	60	**256-510**	60
12	**255-512**	40	**256-512**	40
16	**255-516**	40	**256-516**	40
24	**255-524**	20	**256-524**	20

Color Pole No.	Item No.	Pack. Unit	Item No.	Pack. Unit
Modular terminal block,				
2 solder pins/pole				
gray	**255-601**	300	**256-601**	300
red	**255-760**	300	**256-760**	300
dark gray	**255-762**	300	**256-762**	300
light gray (Ex)	**255-763**	300	**256-763**	300
blue	**255-764**	300	**256-764**	300
orange	**255-766**	300	**256-766**	300
light green	**255-767**	300	**256-767**	300
Terminal strip, gray, standard lengths,**				
2 solder pins/pole				
2	**255-602**	200	**256-602**	200
3	**255-603**	140	**256-603**	140
4	**255-604**	100	**256-604**	100
:	:	:		
7	**255-607**	60	**256-607**	60
8	**255-608**	60	**256-608**	60
9	**255-609**	40	**256-609**	40
10	**255-610**	40	**256-610**	40
12	**255-612**	40	**256-612**	40
16	**255-616**	20	**256-616**	20
24	**255-624**	20	**256-624**	20

Accessories, 255 and 256 Series

(Marking strips, see Section 6)

**Item no. suffix for colored terminal strips, see page 119



Spacer, 5/5.08 mm thick, doubles pin spacing

gray	**255-801**	100



Spacer, 7.5/7.62 mm thick, doubles pin spacing

gray	**255-811**	100



Spacer, 10/10.16 mm thick, doubles pin spacing

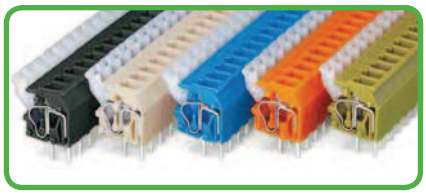
gray	**255-821**	100



End plates, snap-on type, 1 mm thick

255 Series

gray	**255-100**	100
dark gray	**255-200**	100
light gray	**255-300**	100
blue	**255-400**	100
red	**255-500**	100
orange	**255-600**	100
light green	**255-700**	100





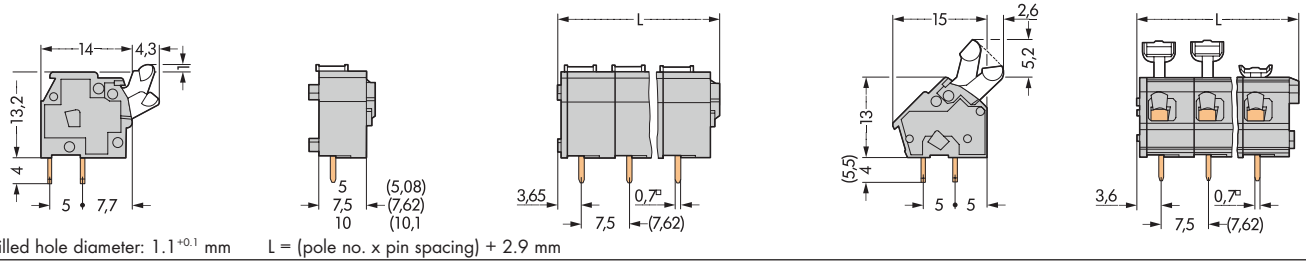
End plates, snap-on type, 1 mm thick

256 Series

gray	**256-100**	100
dark gray	**256-200**	100
light gray	**256-300**	100
blue	**256-400**	100
red	**256-500**	100
orange	**256-600**	100
light green	**256-700**	100

Dimensions (in mm) (Adjust pin spacing by pulling on the end blocks so that they expand to satisfy the hole centers required.)

(Ex) Terminal blocks for Ex e II applications see Full Line Catalog, Volume 2



Drilled hole diameter: $1.1^{+0.1}$ mm L = (pole no. x pin spacing) + 2.9 mm

❶ Approvals are available online at: www.wago.com. *AWG 12: THHN, THWN

For technical explanations and abbreviations, see technical section.