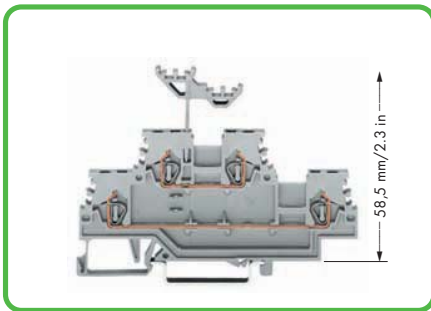


Accessories














Double-Deck Terminal Blocks



Double-deck marker carrier
Height including WSB double-deck marker carrier

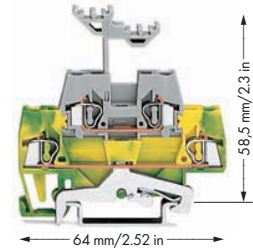
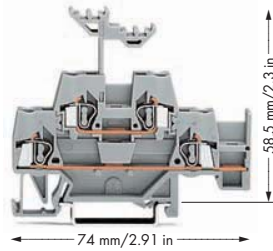
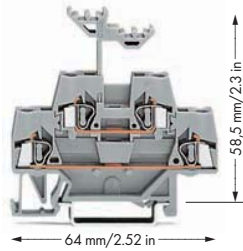
- ① 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ Suitable for Ex i applications
- ④ See application notes for:
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200



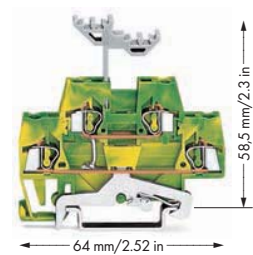
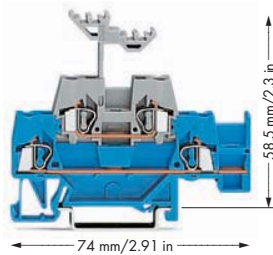
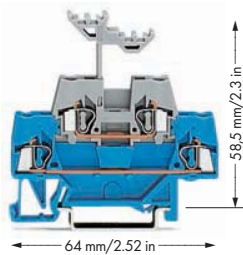
279 Series Accessories		Appropriate marking system: WMB (see Section 13)	
End and intermediate plate, 2 mm thick		WMB Multi marking system, plain,	
	orange 279-519 100 (4x25)		10 strips with 10 markers per card, stretchable 4 - 4.2 mm
	gray 279-518 100 (4x25)		yellow 793-4501/000-002
Insulation stop,			red 793-4501/000-005
④ 	5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st")		blue 793-4501/000-006
	white 279-470 200 (8x25)		gray 793-4501/000-007
Insulation stop,			orange 793-4501/000-012
④ 	5 pcs/strip, 0.25 mm ²		light green 793-4501/000-017
	dark gray 279-471 200 (8x25)		green 793-4501/000-023
			violet 793-4501/000-024
Adjacent jumper, insulated,			
	I _N 15 A		
	gray 279-402 200 (8x25)		
Alternate jumper, insulated,			
	I _N 15 A		
	gray 279-409 100 (4x25)		
WSB double-deck marker carrier			
	gray 279-529 50 (2x25)		
Comb-style jumper bar, insulated,			
④ 	I _N = I _N terminal block		
	2-way 279-482 200 (8x25)		
	3-way 279-483 200 (8x25)		
Comb-style jumper bar, insulated,			
	I _N = I _N terminal block		
	10-way 279-490 50 (2x25)		
Alternate comb-style jumper bar,			
	insulated, I _N = I _N terminal block		
	2-way 279-492 200 (8x25)		
Operating tool, of insulating material			
	2-way 279-432 1		
	3-way 279-433 1		
Operating tool, of insulating material			
	10-way 279-440 1		
WMB Multi marking system,			
	10 strips with 10 markers per card, stretchable 4 - 4.2 mm		
	plain 793-4501 5		

Double-Deck Terminal Blocks 2.5 mm² 280 Series

0.08 - 2.5 mm ² 500 V/6 kV/3 ① I _N 20 A Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 15 A ⑤ 300 V, 20 A ⑥	0.08 - 2.5 mm ² 500 V/6 kV/3 ① I _N 20 A Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 15 A ⑤ 300 V, 20 A ⑥	0.08 - 2.5 mm ² 500 V/6 kV/3 ① I _N 20 A Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 20 A ⑥
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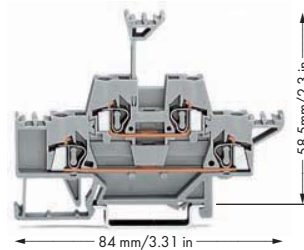
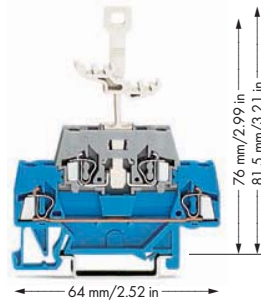
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Through/through terminal block		Through/through terminal block with horizontal jumpering on lower level		Ground conductor/through terminal block	
gray 280-519	50	gray 280-520	50	green-yellow/gray 280-527	50
blue 280-529 ③	50	blue 280-530 ③	50	green-yellow/blue 280-537	50
Other terminal blocks with the same profile:					
Diode 280-940/281-410 Page 260					
LED 280-943/281-434 Page 260					
Item-Specific Accessories		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick	
orange 280-341	100 (4x25)	orange 280-343	100 (4x25)	orange 280-341	100 (4x25)
gray 280-340	100 (4x25)	gray 280-342	100 (4x25)	gray 280-340	100 (4x25)
Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick	
orange 280-366	100 (4x25)	orange 280-369	100 (4x25)	orange 280-366	100 (4x25)



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Through/through terminal block		Through/through terminal block with horizontal jumpering on lower level		4-conductor ground terminal block, internal commoning	
blue/gray 280-523	50	blue/gray 280-524	50	green-yellow 280-517	50
gray/blue 280-533	50	gray/blue 280-534	50		
Item-Specific Accessories					
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick	
orange 280-341	100 (4x25)	orange 280-343	100 (4x25)	orange 280-341	100 (4x25)
gray 280-340	100 (4x25)	gray 280-342	100 (4x25)	gray 280-340	100 (4x25)
Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick	
orange 280-366	100 (4x25)	orange 280-369	100 (4x25)	orange 280-366	100 (4x25)

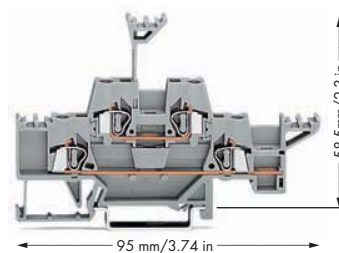
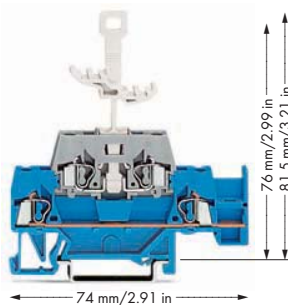
For list of approvals and user guide, see pages 634 to 637.

0.08 - 2.5 mm ² 400 V/6 kV/3 ① I _N 10 A	AWG 28 - 12 * 300 V, 15 A ② 300 V, 20 A ③	0.08 - 2.5 mm ² 500 V/6 kV/3 ① I _N 20 A	AWG 28 - 12 * 300 V, 15 A ② 300 V, 20 A ③
Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②		Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②	



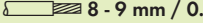
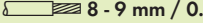
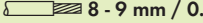
- * AWG 12: THHN, THWN
- ① 500 V/400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
 - ② Strip length, see packaging or instructions.
 - ③ Suitable for Ex i applications
 - ④ See application notes for:
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200

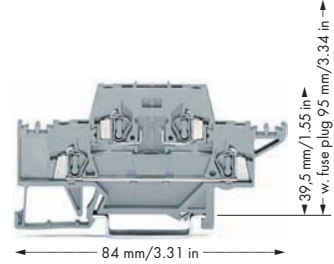
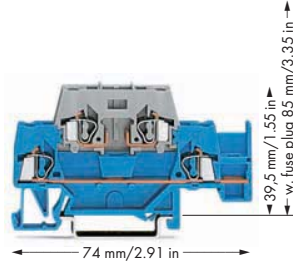
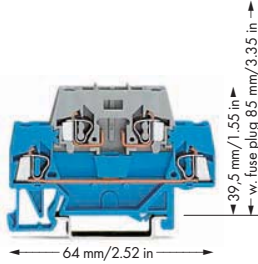
Item No.	Pack. Unit	Item No.	Pack. Unit	280 Series Accessories
Through/disconnect terminal block		Through/through terminal block with additional marking options on both sides of the terminal block		Appropriate marking systems (see Section 13)
blue/gray	280-525 50	gray	280-513 50	Insulation stop,
gray/gray	280-521 50			④ 5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st") white 280-470 200 (8x25)
Item-Specific Accessories		Item-Specific Accessories		Insulation stop,
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick		④ 5 pcs/strip, 0.25 - 0.5 mm ² light gray 280-471 200 (8x25)
orange	280-341 100 (4x25)	orange	280-341 100 (4x25)	Insulation stop,
gray	280-340 100 (4x25)	gray	280-340 100 (4x25)	④ 5 pcs/strip, 0.75 - 1 mm ² dark gray 280-472 200 (8x25)
Intermediate plate,		Intermediate plate,		Adjacent jumper, insulated,
1.1 mm thick		1.1 mm thick		I _N = I _N terminal block
orange	280-366 100 (4x25)	orange	280-366 100 (4x25)	gray 280-402 200 (8x25) yellow-green 280-422 200 (8x25)



Item No.	Pack. Unit	Item No.	Pack. Unit	280 Series Accessories
Through/disconnect terminal block with horizontal jumpering on lower level		Through/through terminal block with horizontal jumpering on lower level		Alternate jumper, insulated,
blue/gray	280-526 50	gray	280-543 50	I _N = I _N terminal block
gray/gray	280-522 50			gray 280-409 100 (4x25)
Item-Specific Accessories		Item-Specific Accessories		Vertical jumper, insulated,
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick		I _N 24 A
orange	280-343 100 (4x25)	orange	280-343 100 (4x25)	gray 281-421 200 (8x25)
gray	280-342 100 (4x25)	gray	280-342 100 (4x25)	Comb-style jumper bar, insulated,
Intermediate plate,		Intermediate plate,		④ I _N = I _N terminal block
1.1 mm thick		1.1 mm thick		2-way 280-482 200 (8x25) 3-way 280-483 200 (8x25)
orange	280-369 100 (4x25)	orange	280-369 100 (4x25)	Comb-style jumper bar, insulated,
				I _N = I _N terminal block
				10-way 280-490 50 (2x25)
				Alternate comb-style jumper bar,
				insulated, I _N = I _N terminal block
				2-way 280-492 200 (8x25)
				Operating tool, of insulating material
				2-way 280-432 1
				3-way 280-433 1
				Operating tool, of insulating material
				10-way 280-440 1
				Screwless end stop,
				for DIN 35 rail, 6 mm wide
				gray 249-116 100 (4x25)

Carrier Double- and Triple-Deck Terminal Blocks for Fuse Plugs 2.5 mm² 280 Series




0.08 - 2.5 mm ² 400 V/6 kV/3 ① ② I _N 10 A (20 A)	AWG 28 - 12 * 300 V, 15 A ⑦ 300 V, 20 A ⑧	0.08 - 2.5 mm ² 400 V/6 kV/3 ① ② I _N 10 A (20 A)	AWG 28 - 12 * 300 V, 15 A ⑦ 300 V, 20 A ⑧	0.08 - 2.5 mm ² 400 V/6 kV/3 ① ② I _N 10 A (10 A)	AWG 28 - 12 * 300 V, 15 A ⑦ 300 V, 20 A ⑧
Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ③		Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ③		Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ③	






Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Through/carrier terminal block for pluggable fuse modules		Through/carrier terminal block for pluggable fuse modules with horizontal jumpering on lower level		Through/carrier terminal block for pluggable fuse modules	
blue/gray	280-531 50	blue/gray	280-532 50	gray/gray	280-528 50
gray/gray	280-514 50	gray/gray	280-891 50		
Item-Specific Accessories		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick	
orange	280-341 100 (4x25)	orange	280-343 100 (4x25)	orange	280-341 100 (4x25)
gray	280-340 100 (4x25)	gray	280-342 100 (4x25)	gray	280-340 100 (4x25)
Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick	
orange	280-366 100 (4x25)	orange	280-369 100 (4x25)	orange	280-366 100 (4x25)
		Adjacent jumper, insulated, I_N = I_N terminal block			
		gray 280-402 200 (8x25)			
		Alternate jumper, insulated, I_N = I_N terminal block			
		gray 280-409 100 (4x25)			

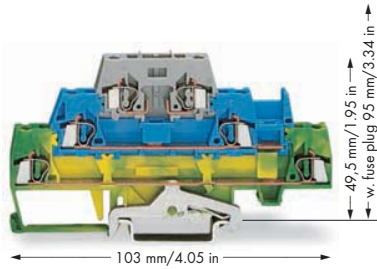
Accessories









Appropriate marking system for fuse plugs
WSB Quick marking system

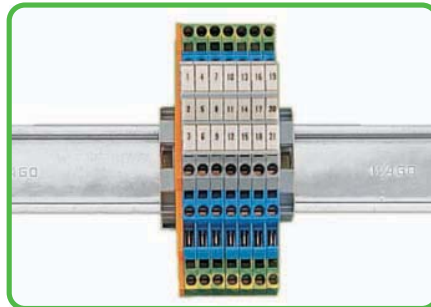
Insulation stop, ④ 5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st") white 280-470 200 (8x25)	Fuse plug with pull-tab, 6 mm wide  281-512 50	Operating tool, of insulating material 2-way 280-432 1 3-way 280-433 1
Insulation stop, ④ 5 pcs/strip, 0.25 - 0.5 mm ² light gray 280-471 200 (8x25)	Fuse plug with pull-tab, 24 V AC/DC, with LED indicator, 6 mm wide  281-512/281-501 50	WSB Quick marking system, for fuse plug 281-5., WSB Markers 4 mm wide F1, ..., F10 (10x) 209-787 5 F11, ..., F20 (10x) 209-700/209-124 F21, ..., F30 (10x) 209-700/209-125 F31, ..., F40 (10x) 209-700/209-126 F41, ..., F50 (10x) 209-700/209-127
Insulation stop, ④ 5 pcs/strip, 0.75 - 1 mm ² dark gray 280-472 200 (8x25)	Comb-style jumper bar, insulated, ④ I _N = I _N terminal block 2-way 280-482 200 (8x25) 3-way 280-483 200 (8x25)	
Fuse plug with pull-tab, 6 mm wide  281-511 50	Alternate comb-style jumper bar, insulated, I _N = I _N terminal block 2-way 280-492 200 (8x25)	

For list of approvals and user guide, see pages 634 to 637.

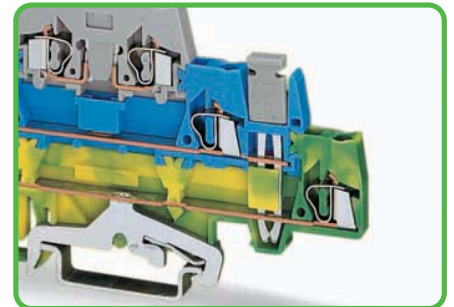
0.08 - 2.5 mm ²	AWG 28 - 12 *
400 V/6 kV/3 ① ②	300 V, 15 A 
I _N 20 A (20 A)	600 V, 20 A 
Terminal block width 5 mm / 0.197 in	
 8 - 9 mm / 0.33 in ③	



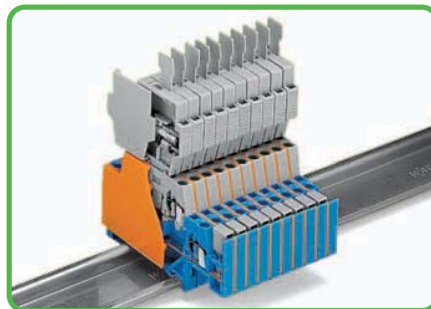
Item No.	Pack. Unit
Ground conductor/through/carrier terminal block for fuse plugs	
green-yellow/blue/gray 280-510	50
Through/through/carrier terminal block for fuse plugs	
gray/gray/gray 280-889	50
Item-Specific Accessories	
End and intermediate plate, 2.5 mm thick	
 orange 280-304	50 (2x25)
 gray 280-303	50 (2x25)
Intermediate plate,	
1.1 mm thick	
 orange 280-336	50 (2x25)
Adjacent jumper, insulated,	
 I _N = I _N terminal block	
gray 280-402	200 (8x25)
Alternate jumper, insulated,	
 I _N = I _N terminal block	
gray 280-409	100 (4x25)
Vertical jumper, insulated,	
 I _N 24 A	
gray 281-421	200 (8x25)
WSB Quick marking system,	
 10 strips with 10 markers per card, WSB Markers 4 mm wide	
plain 209-701	5
WSB Quick marking system, plain,	
 10 strips with 10 markers per card, WSB Markers 4 mm wide	
yellow 209-701/000-002	
red 209-701/000-005	
blue 209-701/000-006	
gray 209-701/000-007	
orange 209-701/000-012	
light green 209-701/000-017	
green 209-701/000-023	
violet 209-701/000-024	



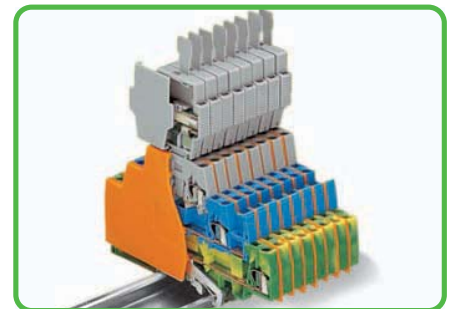
Double- (triple-) deck terminal blocks accommodate two (three) circuits of different potentials in one 2-(3-) level terminal block; different circuits can be differentiated by color coding either level for the 280 Series. The lower deck is wider than the upper, for ease of wiring.



Grounding to carrier rail.
Connecting N-level to ground level via vertical jumper



When double-deck terminal blocks are used with a fuse plug (width 6 mm/0.236 in) in the receptacle (top) level, the extra width can be compensated for the 280 Series (width 5 mm/0.197 in) via an intermediate plate (thickness 1.1 mm/0.043 in). If required, this special intermediate plate still allows jumpering on the lower level via push-in adjacent jumpers (280-402).

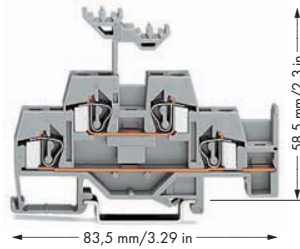
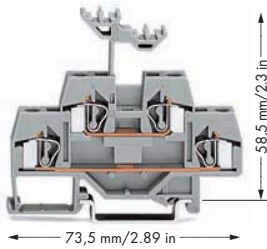


When triple-deck terminal blocks are used with a fuse plug (width 6 mm/0.236 in) in the receptacle (top) level, the extra width can be compensated for the 280 Series (width 5 mm/0.197 in) via an intermediate plate (thickness 1.1 mm/0.043 in).

* AWG 12: THHN, THWN

- ① 400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② Electrical ratings are given by the fuse or nominal voltage of the LED (also see pages 234 - 235).
- ③ Strip length, see packaging or instructions.
- ④ See application notes for:
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200

0.08 - 4 mm ² 500 V/6 kV/3 ① I _N 26 A	AWG 28 - 12 600 V, 20 A ② 600 V, 25 A ③	0.08 - 4 mm ² 500 V/6 kV/3 ① I _N 26 A	AWG 28 - 12 600 V, 20 A ② 600 V, 25 A ③
Terminal block width 6 mm / 0.236 in 9 - 10 mm / 0.37 in ②		Terminal block width 6 mm / 0.236 in 9 - 10 mm / 0.37 in ②	

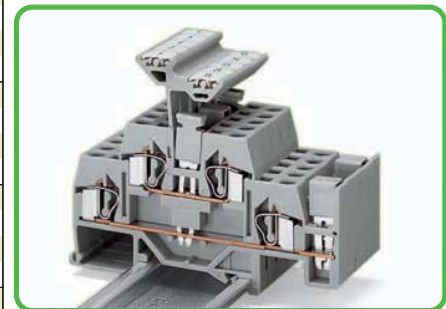


- ① 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ Suitable for Ex i applications
- ④ See application notes for:
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200

Item No.	Pack. Unit	Item No.	Pack. Unit
Through/through terminal block		Through/through terminal block with horizontal jumpering on lower level	
gray 281-619	50	gray 281-620	50
blue 281-629 ③	50	blue 281-630 ③	50
Other terminal blocks with the same profile:			
Diode	281-633/281-410	Page 262	
LED	281-634/281-434	Page 262	
Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick	
orange 281-341	100 (4x25)	orange 281-343	100 (4x25)
gray 281-340	100 (4x25)	gray 281-342	100 (4x25)
281 Series Accessories			
Appropriate marking system: WMB (see Section 13)			
Insulation stop, ④ 5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st") white 281-470 200 (8x25)		Alternate comb-style jumper bar, insulated, I _N = I _N terminal block 2-way 281-492 100 (4x25)	
Insulation stop, ④ 5 pcs/strip, 0.25 - 0.5 mm ² light gray 281-471 200 (8x25)		Operating tool, of insulating material ④ 2-way 280-432 1 3-way 280-433 1	
Insulation stop, ④ 5 pcs/strip, 0.25 - 1.5 mm ² dark gray 281-472 200 (8x25)		Operating tool, of insulating material 5-way 281-440 1	
Adjacent jumper, insulated, I _N = I _N terminal block gray 281-402 200 (8x25)		Screwless end stop, for DIN 35 rail, 6 mm wide gray 249-116 100 (4x25)	
Alternate jumper, insulated, I _N = I _N terminal block gray 281-409 100 (4x25)		Screwless end stop, for DIN 35 rail, 10 mm wide gray 249-117 50 (2x25)	
Vertical jumper, insulated, I _N 24 A gray 281-421 200 (8x25)			
Comb-style jumper bar, insulated, ④ I _N = I _N terminal block 2-way 281-482 100 (4x25) 3-way 281-483 100 (4x25)			
Comb-style jumper bar, insulated, I _N = I _N terminal block 5-way 281-485 100 (4x25)			



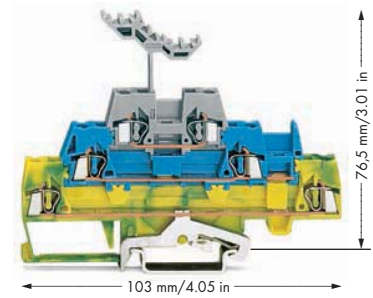
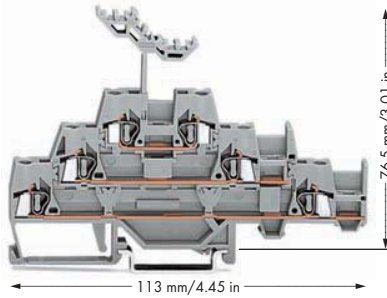
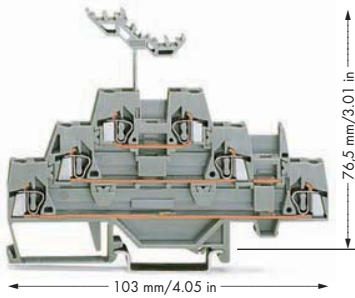
Wiring



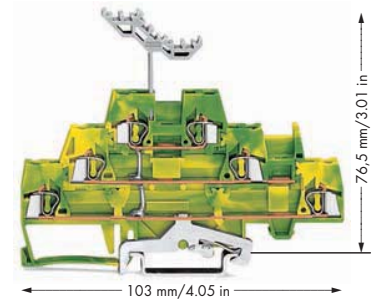
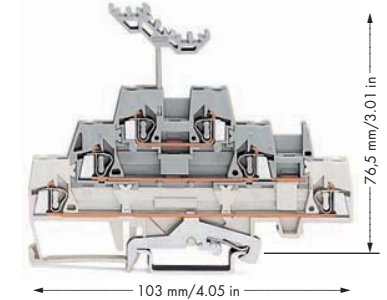
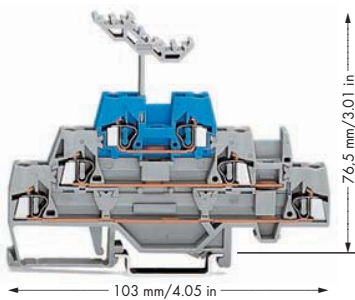
Commoning double-deck terminal blocks

Triple-Deck Terminal Blocks 2.5 mm² 280 Series

<p>0.08 - 2.5 mm² 500 V/6 kV/3 ① I_N 20 A</p> <p>Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 12 * 300 V, 15 A ⑤ 300 V, 20 A ⑥</p>	<p>0.08 - 2.5 mm² 500 V/6 kV/3 ① I_N 20 A</p> <p>Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 12 * 300 V, 15 A ⑤ 300 V, 20 A ⑥</p>	<p>0.08 - 2.5 mm² 500 V/6 kV/3 ① I_N 20 A</p> <p>Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 12 * 300 V, 20 A ⑥</p>
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





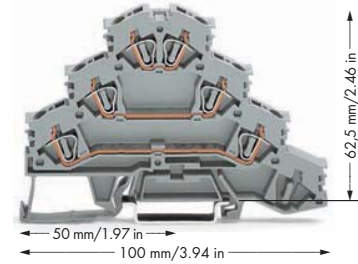
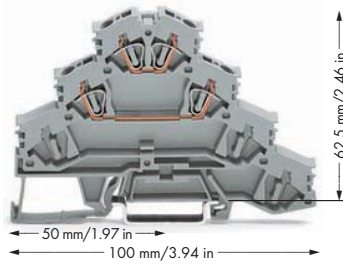
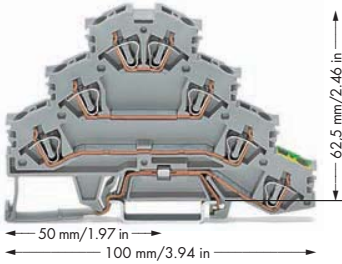
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Through/through/through terminal block		Through/through/through terminal block with horizontal jumpering on lower level		Ground conductor/through/through terminal block	
gray 280-549	40	gray 280-550	40	green-yellow/blue/gray 280-547	40
blue 280-551	40			green-yellow/gray/gray 280-557	40
Item-Specific Accessories		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick	
orange 280-304	50 (2x25)	orange 280-306	50 (2x25)	orange 280-304	50 (2x25)
gray 280-303	50 (2x25)	gray 280-305	50 (2x25)	gray 280-303	50 (2x25)
Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick	
orange 280-336	50 (2x25)	orange 280-339	50 (2x25)	orange 280-336	50 (2x25)



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Through/through/through terminal block		Shield/through/through terminal block		6-conductor ground terminal block, internal commoning	
gray/gray/blue 280-552	40	white/gray/gray 280-548	40	green-yellow 280-597	40
		white/blue/gray 280-558	40		
Item-Specific Accessories		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick	
orange 280-304	50 (2x25)	orange 280-304	50 (2x25)	orange 280-304	50 (2x25)
gray 280-303	50 (2x25)	gray 280-303	50 (2x25)	gray 280-303	50 (2x25)
Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick		Intermediate plate, 1.1 mm thick	
orange 280-336	50 (2x25)	orange 280-336	50 (2x25)	orange 280-336	50 (2x25)

Quadruple-Deck, Rail-Mounted Terminal Blocks or Rail-Mounted Terminal Blocks for Wiring of Electric Motors 4 mm² 281 Series









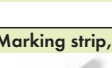




<p>0.08 - 4 mm² 400 V/6 kV/3 ① I_N 20 A (2.5 mm²) I_N 25 A (4 mm²) Terminal block width 6 mm / 0.236 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 12 600 V, 20 A  300 V, 25 A </p>	<p>0.08 - 4 mm² 400 V/6 kV/3 ① I_N 20 A (2.5 mm²) I_N 25 A (4 mm²) Terminal block width 6 mm / 0.236 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 12 600 V, 20 A  300 V, 25 A </p>	<p>0.08 - 4 mm² 400 V/6 kV/3 ① I_N 20 A (2.5 mm²) I_N 25 A (4 mm²) Terminal block width 6 mm / 0.236 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 12 600 V, 20 A  300 V, 25 A </p>
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray		Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray		Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray	
⊙ L1 - L2 - L3 - PE	281-530 50	⊙ L1 - L2	281-531 50	⊙ L1 - L2 - L3	281-532 50

281 Series Accessories

Appropriate marking systems: WMB/Marking strips (see Section 13)

<p>End and intermediate plate, 1 mm thick</p> <p> orange 281-366 100 (4x25)</p> <p> gray 281-365 100 (4x25)</p>	<p>WMB Multi marking system,</p> <p> 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5</p>
<p>Insulation stop,</p> <p>③  5 pcs/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st") white 281-470 200 (8x25)</p>	<p>WMB Multi marking system, plain,</p> <p> 10 strips with 10 markers per card, stretchable 5 - 5.2 mm yellow 793-5501/000-002</p>
<p>Insulation stop,</p> <p>③  5 pcs/strip, 0.25 - 0.5 mm² light gray 281-471 200 (8x25)</p>	<p>red 793-5501/000-005</p> <p>blue 793-5501/000-006</p> <p>gray 793-5501/000-007</p>
<p>Insulation stop,</p> <p>③  5 pcs/strip, 0.25 - 1.5 mm² dark gray 281-472 200 (8x25)</p>	<p>orange 793-5501/000-012</p> <p>light green 793-5501/000-017</p> <p>green 793-5501/000-023</p> <p>violet 793-5501/000-024 5</p>
<p>Comb-style jumper bar, insulated,</p> <p>③  I_N = I_N terminal block 2-way 281-482 100 (4x25)</p> <p>3-way 281-483 100 (4x25)</p> <p>5-way 281-485 100 (4x25)</p> <p>10-way 281-490 50 (2x25)</p>	<p>Marking strip, plain,</p> <p> 7.5 mm wide, 50 m roll translucent 709-177 1</p>
<p>Alternate comb-style jumper bar,</p> <p>insulated, I_N = I_N terminal block 2-way 281-492 100 (4x25)</p>	<p>Screwless end stop,</p> <p> for DIN 35 rail, 6 mm wide gray 249-116 100 (4x25)</p>
<p>Operating tool, of insulating material</p> <p>2-way 280-432 1</p> <p>3-way 280-433 1</p> <p>5-way 281-440 1</p>	<p>Screwless end stop,</p> <p> for DIN 35 rail, 10 mm wide gray 249-117 50 (2x25)</p>
<p>Test plug,</p> <p> with 500 mm cable, 2 mm Ø red 210-136 50</p>	
<p>Test plug,</p> <p> with 500 mm cable, 2.3 mm Ø yellow 210-137 50</p>	

L-Type Test Plug Modules for Testing Rail-Mounted Terminal Blocks, Terminal Block Width 5 mm or 6 mm, via Conductor Wire Opening



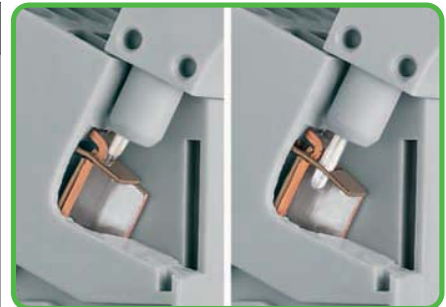
<p>Test plug module for rail-mounted terminal blocks 0.08 - 1.5 mm² AWG 28 - 16 Test voltage 630 V Test current 6 A module width 5 mm / 0.197 in These test plugs are not suitable for Ex e applications.</p>	<p>Test plug module for rail-mounted terminal blocks 0.08 - 2.5 mm² AWG 28 - 14 Test voltage 630 V Test current 6 A module width 6 mm / 0.236 in These test plugs are not suitable for Ex e applications.</p>
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Snapping test plug and spacer modules together to assemble a multipole test plug module (max. 10 poles).



Item No.	Pack. Unit	Item No.	Pack. Unit
<p>L-type test plug module with spring-loaded contact pin and CAGE CLAMP®, center module, can be snapped together, module width 5 mm</p> <p>○ gray 249-141 100 (4x25)</p>		<p>L-type test plug module with spring-loaded contact pin and CAGE CLAMP®, center module, can be snapped together, module width 6 mm</p> <p>○ gray 249-144 100 (4x25)</p>	
<p>End module with rigid contact pin and CAGE CLAMP®, end module, can be snapped together, module width 5 mm</p> <p>○ gray 249-142 100 (4x25)</p>		<p>End module with rigid contact pin and CAGE CLAMP®, end module, can be snapped together, module width 6 mm</p> <p>○ gray 249-145 100 (4x25)</p>	
<p>Spacer module, e.g., for bridging commoned terminal blocks, can be snapped together, module width 5 mm</p> <p>○ gray 249-143 100 (4x25)</p>		<p>Spacer module, e.g., for bridging commoned terminal blocks, can be snapped together, module width 6 mm</p> <p>○ gray 249-146 100 (4x25)</p>	

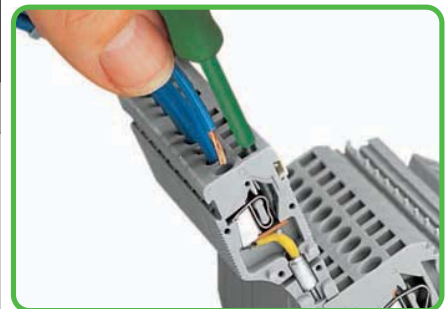


A = Center module spring-loaded contact pin
B = End module with rigid contact pin

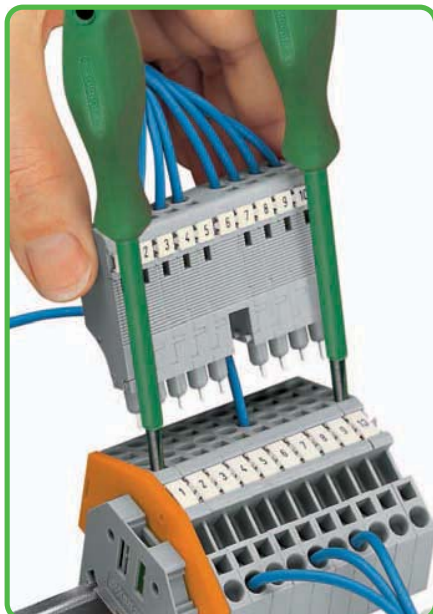
Accessories for L-Type Test Plug Modules

Appropriate marking systems: WMB/Miniature WSB
(see Section 13)

WMB Multi marking system,	Miniature WSB Quick marking system,
<p>10 strips with 10 markers per card, stretchable 5 - 5.2 mm</p> <p>plain 793-5501 5</p>	<p>10 strips with 10 markers per card, 5 mm wide markers</p> <p>plain 248-501 5</p>



CAGE CLAMP®
0.08 mm² - 1.5 mm²/AWG 28 - 16;
module width 5 mm/0.197 in
0.08 mm² - 2.5 mm²/AWG 28 - 14;
module width 6 mm/0.236 in



For easily testing terminal block assemblies, these test plug modules with CAGE CLAMP® (version using the conductor wire opening) may be used on unwired terminal blocks. For testing, the module is assembled with spring-loaded pins in the center positions and rigid pin modules at the ends. The terminal blocks corresponding to the end position modules are opened using operating tools (as shown), these rigid pins are then held in place by the CAGE CLAMP®.

The intermediate pins are spring-loaded and make contact with the current bars, for test currents up to 6A.

Clamping units needing to remain wired may be skipped over by assembling a spacer in the test plug module.

Notice:
Mating direction must be observed (see picture).

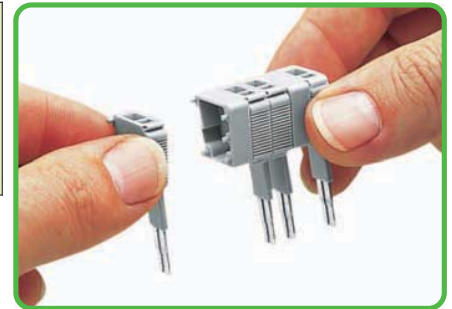
B-Type Test Plug Modules for Testing Rail-Mounted Terminal Blocks, Terminal Block Width 5 mm or 6 mm, via Jumper Contact Slot in Current Bar

CAGE CLAMP®

3

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<p>Test plug module for rail-mounted terminal blocks 0.08 - 1.5 mm² AWG 28 - 16 Test voltage 630 V Test current 10 A module width 5 mm / 0.197 in These test plugs are not suitable for Ex e applications.</p>	<p>Test plug module for rail-mounted terminal blocks 0.08 - 2.5 mm² AWG 28 - 14 Test voltage 630 V Test current 10 A module width 6 mm / 0.236 in These test plugs are not suitable for Ex e applications.</p>
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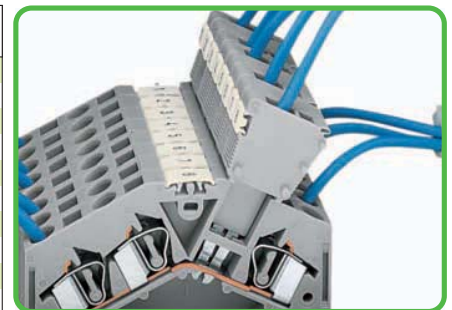


Snapping test plug and spacer modules together to assemble a multipole test plug module (max. 10 poles).

3





Item No.	Pack. Unit	Item No.	Pack. Unit
<p>B-type test plug module with CAGE CLAMP®, can be snapped together, module width 5 mm</p> <p>○ gray 249-106 100 (4x25)</p>		<p>B-type test plug module with CAGE CLAMP®, can be snapped together, module width 6 mm</p> <p>○ gray 249-147 100 (4x25)</p>	
<p>B-type spacer module, e.g., for bridging commoned terminal blocks, can be snapped together, module width 5 mm</p> <p>○ gray 249-107 100 (4x25)</p>		<p>B-type spacer module, e.g., for bridging commoned terminal blocks, can be snapped together, module width 6 mm</p> <p>○ gray 249-148 100 (4x25)</p>	

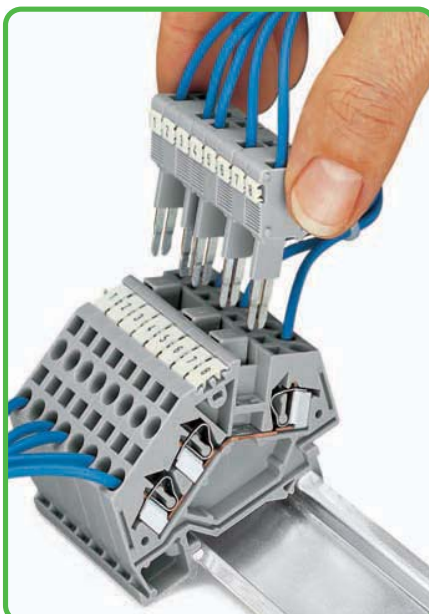


B-type test plugs are directly inserted into the jumper contact slots of the current bar.

Accessories for B-Type Test Plug Modules

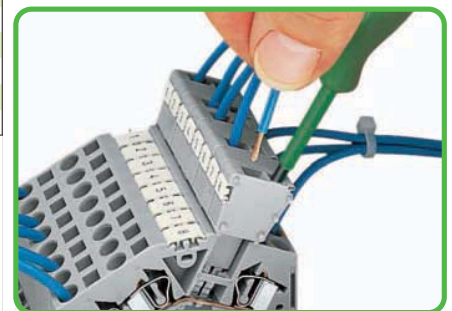
Appropriate marking systems: WMB/Miniature WSB (see Section 13)

<p>WMB Multi marking system,</p> <p> 10 strips with 10 markers per card, stretchable 5 - 5.2 mm</p> <p>plain 793-5501 5</p>		
<p>Miniature WSB Quick marking system,</p> <p> 10 strips with 10 markers per card, 5 mm wide markers</p> <p>plain 248-501 5</p>		



For testing individual circuits, WAGO offers a single-pole test plug accessory with CAGE CLAMP® up to 2.5 mm²/AWG 14 for direct contact with the current bar of a terminal block, or 1-pole test plug adapters for 4 mm Ø test plugs.

For serial testing on assembled terminal block assemblies, WAGO has developed special multipole (max. 10 poles) modular test plug modules. For testing completely wired terminal blocks (even when using adjacent jumpers), the test plug modules with CAGE CLAMP® (version using jumper contact position in current bar) are ideal. For this type of testing, the structure of the testing plug modules adapts directly to the terminal block assembly. The test plug modules make direct contact to the jumper contact slot of the terminal blocks to be tested.



CAGE CLAMP®
 0.08 mm² - 1.5 mm²/AWG 28 - 16;
 module width 5 mm/0.197 in
 0.08 mm² - 2.5 mm²/AWG 28 - 14;
 module width 6 mm/0.236 in

B-Type Test Plug Modules for Testing Rail-Mounted Terminal Blocks, Terminal Block Width 8 mm or 10 mm, via Jumper Contact Slot in Current Bar

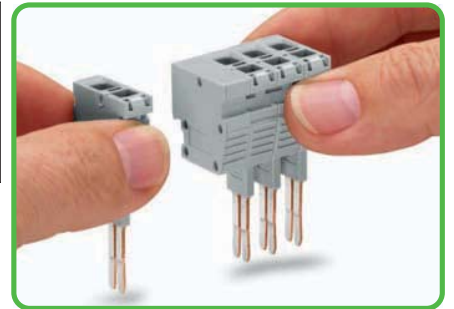
CAGE CLAMP®

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Test plug module for rail-mounted terminal blocks
 0.2 - 6 mm² | AWG 24 - 10
 Test voltage 800 V | Test current 32 A
 module width 8 mm / 0.315 in
 These test plugs are not suitable for Ex e applications.

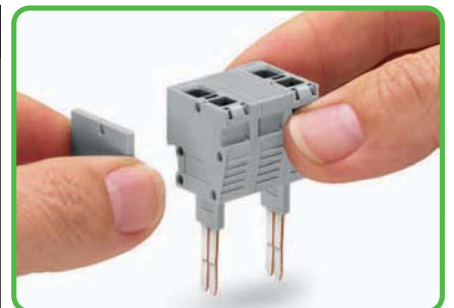
Spacer plate for rail-mounted terminal blocks with 10 mm/0.394 in module width
 module width 2 mm / 0.079 in
 These intermediate plates are not suitable for Ex e applications.



Snapping test plug and spacer modules together to assemble a multipole test plug module (max. 10 poles) for 8 mm/0.315 in terminal block width.

3

Item No.	Pack. Unit	Item No.	Pack. Unit
B-type test plug module with CAGE CLAMP® , can be snapped together, module width 8 mm		B-type spacer plate , snaps on 709-310 B-type test plug modules and 709-311 B-type spacer modules, can be snapped together, module width 2 mm	
○ gray	709-310 100 (4x25)	○ gray	709-312 100 (4x25)
B-type spacer module , e.g., for bridging commoned terminal blocks, can be snapped together, module width 8 mm			
○ gray	709-311 100 (4x25)		
Item-Specific Accessories		Item-Specific Accessories	
Strain relief plate , gray, for 8 mm wide terminal blocks		Strain relief plate , gray, for 10 mm wide terminal blocks	
	2-pole 709-322 100 (4x25)		2-pole 709-332 100 (4x25)
	4-pole 709-324 100 (4x25)		4-pole 709-334 100 (4x25)
	6-pole 709-326 100 (4x25)		6-pole 709-336 100 (4x25)



Snapping test plug and spacer modules with spacer plate together to assemble a multipole test plug module (max. 10 poles) for 10 mm/0.394 in terminal block width.



The test plug modules are directly inserted into the jumper contact slots of the current bar (picture shows 284 Series).

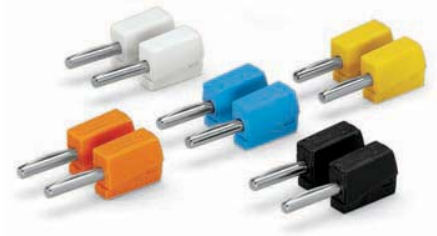




For testing individual circuits, WAGO offers a single-pole test plug accessory with CAGE CLAMP® up to 6 mm²/AWG 10 for direct contact with the current bar of a terminal block, or 1-pole test plug adapters for 4 mm Ø test plugs.

For serial testing on assembled terminal block assemblies, WAGO has developed special multipole (max. 10 poles) modular test plug modules. For testing completely wired terminal blocks (even when using adjacent jumpers), the test plug modules with CAGE CLAMP® (version using jumper contact position in current bar) are ideal. For this type of testing, the structure of the testing plug modules adapts directly to the terminal block assembly. The test plug modules make direct contact to the jumper contact slot of the terminal blocks to be tested.

Banana Plugs (Only for Safety Extra-Low Voltage)

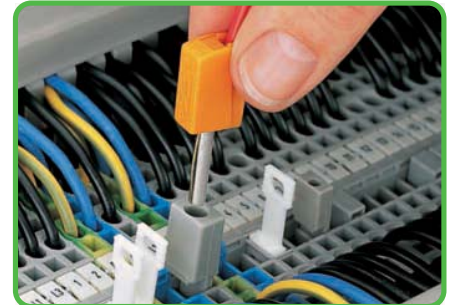
0.08 - 2.5 mm² | AWG 28 - 14
 42 V
 I_N 20 A
 for socket 4 mm Ø
 9 - 11 mm / 0.39 in



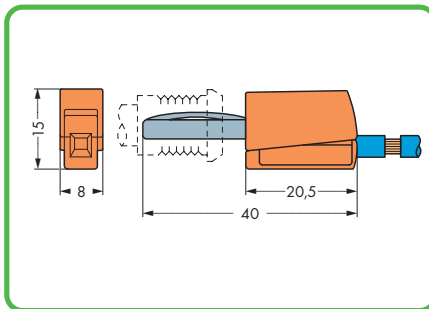
	Item No.	Pack. Unit
Banana plug, for socket 4 mm Ø, color mixed, 10 x each - orange, white, black, blue, yellow	215-111	50
Banana Plugs single plugs		
 Banana plug, for socket 4 mm Ø orange	215-211	50
 Banana plug, for socket 4 mm Ø red	215-212	50
 Banana plug, for socket 4 mm Ø black	215-311	50
 Banana plug, for socket 4 mm Ø green	215-411	50
 Banana plug, for socket 4 mm Ø yellow	215-511	50
 Banana plug, for socket 4 mm Ø white	215-611	50
 Banana plug, for socket 4 mm Ø blue	215-711	50
 Banana plug, for socket 4 mm Ø gray	215-811	50
 Banana plug, for socket 4 mm Ø green-yellow	215-911	50



Conductor termination: Press button fully and insert stripped conductor into square entry until it hits backstop and release.



Banana plug used as test plug.
Picture shows 209-170 test plug adapter.



Dimensions in mm