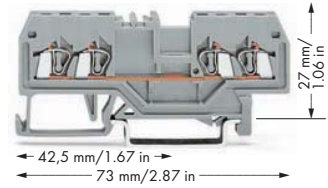
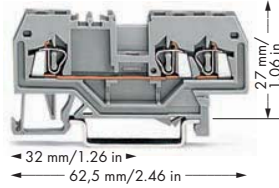
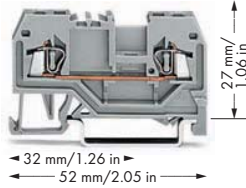


Through/Ground Conductor/Shield and Ex Terminal Blocks 1.5 mm² 279 Series

<p>0.08 - 1.5 mm² 800 V/8 kV/3 ① I_N 18 A</p> <p>Terminal block width 4 mm / 0.157 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 16 600 V, 10 A ⑤ 600 V, 10 A ⑥</p>	<p>0.08 - 1.5 mm² 800 V/8 kV/3 ① I_N 18 A</p> <p>Terminal block width 4 mm / 0.157 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 16 600 V, 10 A ⑤ 600 V, 10 A ⑥</p>	<p>0.08 - 1.5 mm² 800 V/8 kV/3 ① I_N 18 A</p> <p>Terminal block width 4 mm / 0.157 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 16 600 V, 10 A ⑤ 600 V, 10 A ⑥</p>
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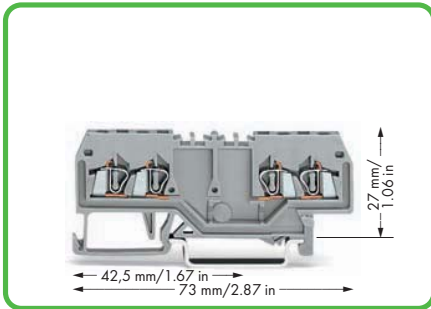
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block		3-conductor through terminal block		4-conductor through terminal block	
gray 279-901	100	gray 279-681	100	gray 279-831	100
blue 279-904 ③	100	blue 279-684 ③	100	blue 279-834 ③	100
orange 279-902	100	orange 279-682	100	orange 279-832	100
red 279-903	100	red 279-683	100	red 279-833	100
black 279-905	100	black 279-685	100	black 279-835	100
yellow 279-906	100	yellow 279-686	100	yellow 279-836	100
light gray ⑤ 279-992 ④	100	light gray ⑤ 279-993 ④	100	light gray ⑤ 279-994 ④	100
2-conductor ground terminal block		3-conductor ground terminal block		4-conductor ground terminal block	
green-yellow 279-907	100	green-yellow 279-687	100	green-yellow 279-837	100
green-yellow ⑤ 279-907/999-950 ④	100	green-yellow ⑤ 279-687/999-950 ④	100	green-yellow ⑤ 279-837/999-950 ④	100
Other terminal blocks with the same profile:		Other terminal blocks with the same profile:		Other terminal blocks with the same profile:	
Diode 279-915/281-410	Page 254	Diode 279-673/281-410	Page 254	Diode 279-815/281-410	Page 254
		LED 279-674/281-434	Page 254	LED 279-809/281-434	Page 254
				Double-potential 279-826	Page 163
Item-Specific Accessories		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2 mm thick		End and intermediate plate, 2 mm thick		End and intermediate plate, 2 mm thick	
orange 279-328	100 (4x25)	orange 279-339	100 (4x25)	orange 279-346	100 (4x25)
gray 279-325	100 (4x25)	gray 279-308	100 (4x25)	gray 279-344	100 (4x25)
light gray 279-330	100 (4x25)	light gray 279-341	100 (4x25)	light gray 279-348	100 (4x25)
Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick	
orange 279-329	100 (4x25)	orange 279-340	100 (4x25)	orange 279-347	100 (4x25)
gray 279-326	100 (4x25)	gray 279-309	100 (4x25)	gray 279-345	100 (4x25)
light gray 279-331	100 (4x25)	light gray 279-342	100 (4x25)	light gray 279-349	100 (4x25)
Ex e/Ex i separator, orange, 3 mm thick		Ex e/Ex i separator, orange, 3 mm thick		Ex e/Ex i separator, orange, 3 mm thick	
90 mm 209-190	50 (2x25)	120 mm 209-191	50 (2x25)	120 mm 209-191	50 (2x25)
120 mm 209-191	50 (2x25)				
				Cover plate, 1 mm thick	
				gray 284-336	100
				orange 284-346	100

279 Series Accessories

Appropriate marking systems: WMB/WFB (see Section 13)

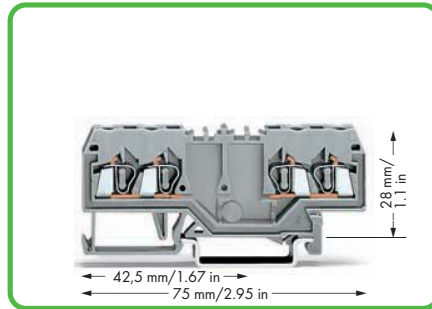
<p>Insulation stop,</p> <p>5 pcs/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st") white 279-470 200 (8x25)</p>	<p>Adjacent jumper, insulated,</p> <p>I_N 15 A gray 279-402 200 (8x25) yellow-green 279-422 200 (8x25)</p>	<p>Push-in type wire jumper,</p> <p>insulated, I_N 9 A, wire size 0.75 mm² L = 60 mm 249-125 10 L = 110 mm 249-126 10 L = 250 mm 249-127 10</p>
<p>Insulation stop,</p> <p>5 pcs/strip, 0.25 mm² dark gray 279-471 200 (8x25)</p>	<p>Alternate jumper, insulated,</p> <p>I_N 15 A gray 279-409 100 (4x25)</p>	

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



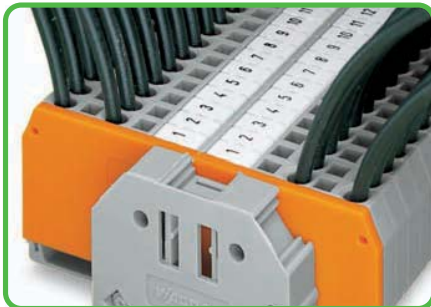
Double-potential terminal blocks
with double marker slot centered on terminal block
gray 279-826
light gray ☉279-995
Packing unit: 100 pcs

Notice: These double-potential terminal blocks cannot be commoned with adjacent jumpers!
For technical data and accessories, see www.wagocatalog.com

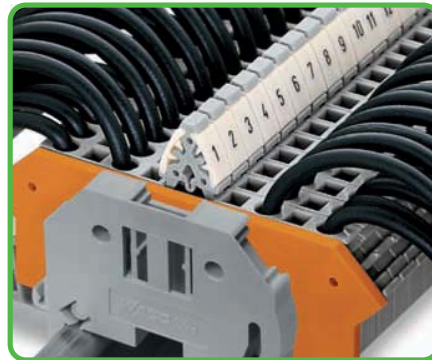


Double-potential terminal blocks
with double marker slot centered on terminal block
gray 280-826
light gray ☉280-995
Packing unit: 100 pcs

Notice: These double-potential terminal blocks cannot be commoned with adjacent jumpers!
For technical data and accessories, see www.wagocatalog.com



WMB markers provide marking directly on terminal block. For WMB Multi marking system, see Section 13.



Terminal block marking with double marker carriers
Item No. 209-128
For terminal blocks with side marking, see online catalog at www.wagocatalog.com



Separator for Ex e/Ex i applications
According to EN 50020, a minimum distance of 50 mm must be kept between live parts of Ex e and Ex i circuits. The use of Ex e/Ex i separators is a space-saving solution when Ex e and Ex i terminal blocks are mounted on a common carrier rail.
Suitable for 279 to 282 Series terminal blocks.
209-190 for 2-conductor terminal blocks.
209-191 for 2-, 3-, 4-conductor terminal blocks.



End and intermediate plate
In order to meet creepage and clearance requirements for Ex e applications, it is necessary to insert an end or intermediate plate between a through and a ground conductor terminal block.

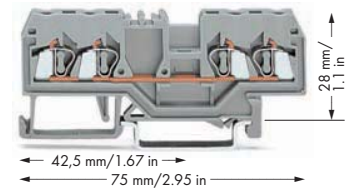
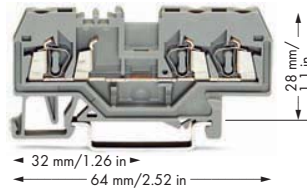
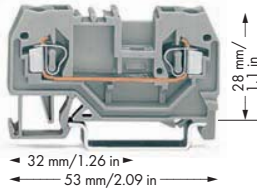
- ① 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ Suitable for Ex i applications
- ④ Suitable for Ex e II applications
0.2 mm² - 1.5 mm²/AWG 24 - 16
550 V, 15 A
(also see Section 14)
- ⑤ See application notes for:
Insulation stop, page 199
Push-in type wire jumper, page 201
Step-down jumper, pages 178 - 179
Banana plug, page 198
Comb-style jumper bar, page 200
Operating tool, page 200

279 Series Accessories

Step-down jumper, insulated,			
⑤	I_N 15 A		
	gray	284-414	50 (2x25)
Cover plate,			
	1 mm thick		
	gray	284-334	100
	orange	284-344	100
Protective warning marker,			
	with high-voltage symbol, black,		
	for 5 terminal blocks		
	yellow	279-415	100 (4x25)
Test plug adapter, 8.3 mm wide,			
	for terminal blocks 1.5 - 10 mm ² ,		
	for test plug 4 mm Ø		
	gray	209-170	50 (2x25)
Banana plug,			
⑤	for socket 4 mm Ø,		
	color mixed		
		215-111	50
Test plug adapter, 5 mm wide,			
	for terminal blocks 1.5 - 4 mm ² ,		
	for 210-137 test plug 2.3 mm Ø		
	gray	280-404	100 (4x25)
Test plug,			
	with 500 mm cable,		
	2.3 mm Ø		
	yellow	210-137	50
Comb-style jumper bar, insulated,			
⑤	$I_N = I_N$ 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

Through/Ground Conductor/Shield and Ex Terminal Blocks 2.5 mm² 280 Series

<p>0.08 - 2.5 mm² 800 V/8 kV/3 ① I_N 24 A</p> <p>Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 12 * 600 V, 20 A ⑤ 600 V, 25 A ⑥</p>	<p>0.08 - 2.5 mm² 800 V/8 kV/3 ① I_N 24 A</p> <p>Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②</p>	<p>AWG 28 - 12 * 600 V, 20 A ⑤ 600 V, 15 A ⑥</p>	<p>0.08 - 2.5 mm² 800 V/8 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 * 600 V, 20 A ⑤ 600 V, 25 A ⑥</p>
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block		3-conductor through terminal block		4-conductor through terminal block	
gray 280-901	100	gray 280-681	100	gray 280-833	100
blue 280-904 ③	100	blue 280-684 ③	100	blue 280-834 ③	100
orange 280-902	100	orange 280-650	100	orange 280-835	100
red 280-903	100	red 280-653	100	red 280-830	100
black 280-905	100	black 280-671	100	black 280-831	100
yellow 280-906	100	yellow 280-672	100	yellow 280-832	100
light gray ④	280-992 ④	100	light gray ④	280-993 ④	100
2-conductor ground terminal block		3-conductor ground terminal block		4-conductor ground terminal block	
green-yellow 280-907	100	green-yellow 280-687	100	green-yellow 280-837	100
green-yellow ④	280-907/999-950 ④	100	green-yellow ④	280-687/999-950 ④	100
Other terminal blocks with the same profile:		Other terminal blocks with the same profile:		Other terminal blocks with the same profile:	
Diode 280-915/281-410	Page 256	Diode 280-673/281-410	Page 256	Diode 280-815/281-410	Page 256
Disconnect 280-912	Page 206	Disconnect 280-683	Page 206	LED 280-809/281-434	Page 256
Carrier 280-916	Page 232	Carrier 280-610	Page 232	Disconnect 280-836	Page 206
				Disc., test & meas. 280-829	Page 206
				Carrier 280-816	Page 232
				Double-potential 280-826	Page 163
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 280-309	100 (4x25)	orange 280-326	100 (4x25)	orange 280-315	100 (4x25)
gray 280-308	100 (4x25)	gray 280-324	100 (4x25)	gray 280-314	100 (4x25)
light gray 280-356	100 (4x25)	light gray 280-358	100 (4x25)	light gray 280-352	100 (4x25)
Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick	
orange 280-311	100 (4x25)	orange 280-346	100 (4x25)	orange 280-335	100 (4x25)
gray 280-310	100 (4x25)	gray 280-344	100 (4x25)	gray 280-334	100 (4x25)
light gray 280-357	100 (4x25)	light gray 280-359	100 (4x25)	light gray 280-353	100 (4x25)
Ex e/Ex i separator, orange, 3 mm thick		Ex e/Ex i separator, orange, 3 mm thick		Ex e/Ex i separator, orange, 3 mm thick	
90 mm 209-190	50 (2x25)	120 mm 209-191	50 (2x25)	120 mm 209-191	50 (2x25)
120 mm 209-191	50 (2x25)				
Spacer of same shape, 5 mm thick		Spacer of same shape, 5 mm thick		Spacer of same shape, 5 mm thick	
orange 280-902/056-000	100 (4x25)	orange 280-650/056-000	100	orange 280-835/056-000	100 (4x25)
				Cover plate, 1 mm thick	
				gray 284-336	100
				orange 284-346	100

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

- * AWG 12: THHN, THWN
- ① 800 V = rated voltage
8 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 Suitable for Ex e II applications
0.2 mm² - 2.5 mm²/AWG 24 - 12*
550 V
23 A for 2-conductor terminal blocks
22 A for 3-conductor terminal blocks
20 A for 4-conductor terminal blocks
(also see Section 14)
Using staggered jumpers reduces the maximum rated voltage to 275 V.
- ⑤ See application notes for:
Test plug modules, pages 194 - 196
Banana plug, page 198
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200
Staggered jumper, page 201
Push-in type wire jumper, page 201
Step-down jumper, pages 178 - 179



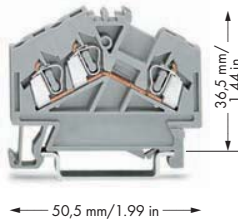
280 Series Accessories			Appropriate marking systems: WMB/WMB Inline/WFB (see Section 13)		
Insulation stop, <ul style="list-style-type: none"> ⑤ 5 pcs/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st") white 280-470 200 (8x25) 	Alternate comb-style jumper bar, <ul style="list-style-type: none"> insulated, I_N = I_N terminal block 2-way 280-492 200 (8x25) 	Banana plug, <ul style="list-style-type: none"> ⑤ for socket 4 mm Ø, color mixed 215-111 50 			
Insulation stop, <ul style="list-style-type: none"> ⑤ 5 pcs/strip, 0.25 - 0.5 mm² light gray 280-471 200 (8x25) 	Operating tool, of insulating material <ul style="list-style-type: none"> 2-way 280-432 1 3-way 280-433 1 	Test plug adapter, 6 mm wide, <ul style="list-style-type: none"> with CAGE CLAMP®, for 0.08 - 2.5 mm² I_N 24 A 281-407 100 (4x25) 			
Insulation stop, <ul style="list-style-type: none"> ⑤ 5 pcs/strip, 0.75 - 1 mm² dark gray 280-472 200 (8x25) 	Operating tool, of insulating material <ul style="list-style-type: none"> 10-way 280-440 1 	WMB Inline, plain, <ul style="list-style-type: none"> stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white 2009-115 1 			
Adjacent jumper, insulated, <ul style="list-style-type: none"> I_N = I_N terminal block gray 280-402 200 (8x25) yellow-green 280-422 200 (8x25) 	Step-down jumper, insulated, <ul style="list-style-type: none"> ⑤ I_N 15 A gray 284-414 50 (2x25) 	WMB Multi marking system, <ul style="list-style-type: none"> 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5 			
Alternate jumper, insulated, <ul style="list-style-type: none"> I_N = I_N terminal block gray 280-409 100 (4x25) 	Cover plate, <ul style="list-style-type: none"> 1 mm thick gray 284-334 100 orange 284-344 100 	WMB Multi marking system, plain, <ul style="list-style-type: none"> 10 strips with 10 markers per card, stretchable 5 - 5.2 mm yellow 793-5501/000-002 red 793-5501/000-005 blue 793-5501/000-006 gray 793-5501/000-007 orange 793-5501/000-012 light green 793-5501/000-017 green 793-5501/000-023 violet 793-5501/000-024 5 			
Staggered jumper, <ul style="list-style-type: none"> ⑤ insulated, width 5 mm/0.197 in, I_N 24 A from 1 to 2 780-452 100 (4x25) from 1 to 3 780-453 100 (4x25) from 1 to 4 780-454 100 (4x25) from 1 to 5 780-455 50 (2x25) from 1 to 6 780-456 50 (2x25) from 1 to 7 780-457 50 (2x25) from 1 to 8 780-458 50 (2x25) 	Protective warning marker, <ul style="list-style-type: none"> with high-voltage symbol, black, for 5 terminal blocks yellow 280-415 100 (4x25) 				
	Test plug module, <ul style="list-style-type: none"> ⑤ can be snapped together, 5 mm wide gray 280-418 100 (4x25) 				
	Spacer module, <ul style="list-style-type: none"> can be snapped together, 5 mm wide gray 280-419 100 (4x25) 	Screwless end stop, <ul style="list-style-type: none"> for DIN 35 rail, 6 mm wide gray 249-116 100 (4x25) 			
Push-in type wire jumper, <ul style="list-style-type: none"> ⑤ insulated, I_N 9 A, wire size 0.75 mm² L = 60 mm 249-125 10 L = 110 mm 249-126 10 L = 250 mm 249-127 10 	Test plug, <ul style="list-style-type: none"> with 500 mm cable, 2 mm Ø red 210-136 50 	Screwless end stop, <ul style="list-style-type: none"> for DIN 35 rail, 10 mm wide gray 249-117 50 (2x25) 			
	Test plug, <ul style="list-style-type: none"> with 500 mm cable, 2.3 mm Ø yellow 210-137 50 				
Comb-style jumper bar, insulated, <ul style="list-style-type: none"> ⑤ I_N = I_N terminal block 2-way 280-482 200 (8x25) 3-way 280-483 200 (8x25) 	Test plug adapter, 5 mm wide, <ul style="list-style-type: none"> for terminal blocks 1.5 - 4 mm², for 210-137 test plug 2.3 mm Ø gray 280-404 100 (4x25) 				
Comb-style jumper bar, insulated, <ul style="list-style-type: none"> I_N = I_N terminal block 10-way 280-490 50 (2x25) 	Test plug adapter, 8.3 mm wide, <ul style="list-style-type: none"> for terminal blocks 1.5 - 10 mm², for test plug 4 mm Ø gray 209-170 50 (2x25) 				

Through/Ground Conductor/Shield and Ex Terminal Blocks 2.5 mm² 280 Series

CAGE CLAMP®

0.08 - 2.5 mm² AWG 28 - 12 *
800 V/8 kV/3 ① 600 V, 20 A ②
I_N 24 A

Terminal block width 5 mm / 0.197 in
8 - 9 mm / 0.33 in ②



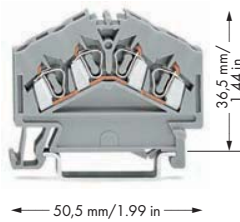
* AWG 12: THHN, THWN

- ① 800 V = rated voltage
8 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 Suitable for Ex e II applications
0.2 mm² - 2.5 mm²/AWG 24 - 12*
550 V, 23 A
(also see Section 14)
Using staggered jumpers reduces the maximum rated voltage to 275 V.
- ⑤ See application notes for:
Test plug modules, pages 194 - 196
Banana plug, page 198
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200
Staggered jumper, page 201
Push-in type wire jumper, page 201

Item No.	Pack. Unit	280 Series Accessories		
Appropriate marking systems: WMB/WMB Inline/WFB (see Section 13)				
3-conductor through terminal block		Alternate jumper, insulated,		
gray	280-641	100	I _N = I _N terminal block gray 280-409 100 (4x25)	
blue	280-651	100		
orange	280-654	100		
light gray	280-998	100		
3-conductor ground terminal block		Staggered jumper,		
green-yellow	280-637	100	⑤ insulated, width 5 mm/0.197 in, I _N 24 A from 1 to 2 780-452 100 (4x25) from 1 to 3 780-453 100 (4x25) from 1 to 4 780-454 100 (4x25) from 1 to 5 780-455 50 (2x25) from 1 to 6 780-456 50 (2x25) from 1 to 7 780-457 50 (2x25) from 1 to 8 780-458 50 (2x25)	
green-yellow	280-637/999-950	100		
3-conductor shield terminal block		Test plug,		
white	280-640	100		with 500 mm cable, 2 mm Ø red 210-136 50
280 Series Accessories		Test plug,		
End and intermediate plate, 2.5 mm thick		with 500 mm cable, 2.3 mm Ø yellow 210-137 50		
orange	280-313	100 (4x25)	Test plug adapter, 5 mm wide, for terminal blocks 1.5 - 4 mm ² , for 210-137 test plug 2.3 mm Ø gray 280-404 100 (4x25)	
gray	280-312	100 (4x25)		
light gray	280-354	100 (4x25)		
Separator, oversized, 2.5 mm thick		Test plug adapter, 8.3 mm wide,		
orange	280-318	100 (4x25)	for terminal blocks 1.5 - 10 mm ² , for test plug 4 mm Ø gray 209-170 50 (2x25)	
gray	280-348	100 (4x25)		
light gray	280-355	100 (4x25)		
Ex e/Ex i separator, orange, 3 mm thick		Push-in type wire jumper,		
120 mm	209-191	50 (2x25)	⑤ insulated, I _N 9 A, wire size 0.75 mm ² L = 60 mm 249-125 10 L = 110 mm 249-126 10 L = 250 mm 249-127 10	
Spacer of same shape, 5 mm thick		Banana plug,		
orange	280-654/056-000	100 (4x25)		⑤ for socket 4 mm Ø, color mixed 215-111 50
Insulation stop,		Test plug adapter, 6 mm wide,		
⑤ 5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st") white	280-470	200 (8x25)	with CAGE CLAMP®, for 0.08 - 2.5 mm ² I _N 24 A 281-407 100 (4x25)	
Insulation stop,		WMB Multi marking system,		
⑤ 5 pcs/strip, 0.25 - 0.5 mm ² light gray	280-471	200 (8x25)		10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5
Insulation stop,		WMB Multi marking system, plain,		
⑤ 5 pcs/strip, 0.75 - 1 mm ² dark gray	280-472	200 (8x25)	10 strips with 10 markers per card, stretchable 5 - 5.2 mm yellow 793-5501/000-002 red 793-5501/000-005 blue 793-5501/000-006 gray 793-5501/000-007 orange 793-5501/000-012 light green 793-5501/000-017 green 793-5501/000-023 violet 793-5501/000-024 5	
Adjacent jumper, insulated,		Screwless end stop,		
I _N = I _N terminal block gray	280-402	200 (8x25)	for DIN 35 rail, 6 mm wide gray 249-116 100 (4x25)	
Test plug module,		Screwless end stop,		
⑤ can be snapped together, 5 mm wide gray	280-418	100 (4x25)	for DIN 35 rail, 10 mm wide gray 249-117 50 (2x25)	
Spacer module,				
⑤ can be snapped together, 5 mm wide gray	280-419	100 (4x25)		

Through and Ex Terminal Blocks 2.5 mm² 280 Series

0.08 - 2.5 mm ²	AWG 28 - 12 *
800 V/8 kV/3 ①	600 V, 20 A ②
I _N 24 A	600 V, 25 A ③
Terminal block width 5 mm / 0.197 in	
8 - 9 mm / 0.33 in ④	



- * AWG 12: THHN, THWN
- ① 800 V = rated voltage
8 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 Suitable for Ex e II applications
0.2 mm² - 2.5 mm²/AWG 24 - 12*
550 V, 23 A
(also see Section 14)
- ⑤ See application notes for:
Test plug module, page 194
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200



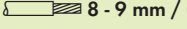

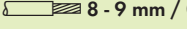

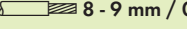
Item No.	Pack. Unit	280 Series Accessories
4-conductor through terminal block		Appropriate marking systems (see Section 13)
gray	280-646 100	Alternate comb-style jumper bar, insulated, I _N = I _N terminal block
blue	280-656 ③ 100	
orange	280-946 100	
light gray ⑤	280-996 ④ 100	
Notice: These terminal blocks cannot be commoned using adjacent jumpers		Operating tool, of insulating material
280 Series Accessories		2-way 280-432 1
		3-way 280-433 1
		Operating tool, of insulating material
		10-way 280-440 1
End and intermediate plate, 2.5 mm thick		Protective warning marker,
orange	280-313 100 (4x25)	with high-voltage symbol, black,
gray	280-312 100 (4x25)	for 5 terminal blocks
light gray	280-354 100 (4x25)	yellow 280-415 100 (4x25)
Separator, oversized, 2.5 mm thick		L-type test plug module,
orange	280-318 100 (4x25)	can be snapped together,
gray	280-348 100 (4x25)	5 mm wide
light gray	280-355 100 (4x25)	gray 249-141 100 (4x25)
Ex e/Ex i separator, orange,		WMB Inline, plain,
3 mm thick		stretchable 5 - 5.2 mm,
120 mm	209-191 50 (2x25)	1,500 WMB markers, 5 mm, on roll
		white 2009-115 1
Spacer of same shape,		WMB Multi marking system,
5 mm thick		10 strips with 10 markers per card,
orange	280-654/056-000	stretchable 5 - 5.2 mm
	100 (4x25)	plain 793-5501 5
Insulation stop,		WMB Multi marking system, plain,
⑤	5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st")	10 strips with 10 markers per card,
	white 280-470 200 (8x25)	stretchable 5 - 5.2 mm
Insulation stop,		yellow 793-5501/000-002
⑤	5 pcs/strip, 0.25 - 0.5 mm ²	red 793-5501/000-005
	light gray 280-471 200 (8x25)	blue 793-5501/000-006
Insulation stop,		gray 793-5501/000-007
⑤	5 pcs/strip, 0.75 - 1 mm ²	orange 793-5501/000-012
	dark gray 280-472 200 (8x25)	light green 793-5501/000-017
Comb-style jumper bar, insulated,		green 793-5501/000-023
⑤	I _N = I _N terminal block	violet 793-5501/000-024
	2-way 280-482 200 (8x25)	
	3-way 280-483 200 (8x25)	Screwless end stop,
Comb-style jumper bar, insulated,		for DIN 35 rail,
⑤	I _N = I _N terminal block	6 mm wide
	10-way 280-490 50 (2x25)	gray 249-116 100 (4x25)
		Screwless end stop,
		for DIN 35 rail,
		10 mm wide
		gray 249-117 50 (2x25)

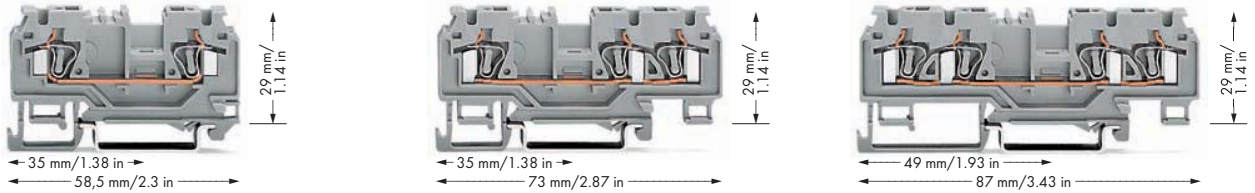


Application example for shield terminal blocks

Shielded control cables are becoming an increasingly common solution to external signal interference. Shield terminal blocks for front-entry are suitable for connecting braided cables. Like ground conductor terminal blocks for front-entry, they are equipped with a grounding foot for direct electrical connection to the rail, however they differ significantly by their white insulated housing. Shield terminal blocks for front-entry can be directly mounted beside signal-conductor terminal blocks, providing excellent deflection of interfering signals.

Through and Ground Conductor Terminal Blocks 4 mm², Terminal Block Width 5 mm Suited for Specialty Conductors AWG 12 with 216-206 Ferrule, 880 Series

0.08 - 4 mm ² 800 V/8 kV/3 ① I _N 25 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 600 V, 20 A: 	0.08 - 4 mm ² 800 V/8 kV/3 ① I _N 25 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 600 V, 20 A: 	0.08 - 4 mm ² 800 V/8 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
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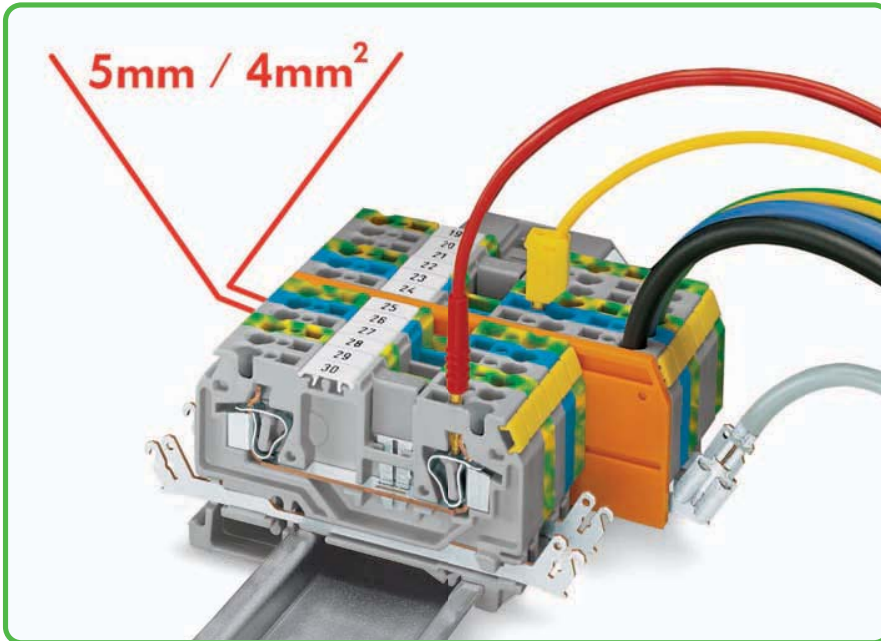
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block without shield contact		3-conductor through terminal block without shield contact		4-conductor through terminal block without shield contact	
gray 880-901/999-940 100		gray 880-681/999-940 100		gray 880-831/999-940 50	
blue 880-904/999-940 ③ 100		blue 880-684/999-940 ③ 100		blue 880-834/999-940 ③ 50	
orange 880-902/999-940 100		orange 880-682/999-940 100		orange 880-832/999-940 50	
2-conductor through terminal block with shield contact on request		3-conductor through terminal block with shield contact on request			
2-conductor ground terminal block		3-conductor ground terminal block		4-conductor ground terminal block	
green-yellow 880-907/999-940 100		green-yellow 880-687/999-940 100		green-yellow 880-837/999-940 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 880-328 100 (4x25)		orange 880-339 100 (4x25)		orange 880-346 100 (4x25)	
gray 880-325 100 (4x25)		gray 880-308 100 (4x25)		gray 880-344 100 (4x25)	
Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick	
orange 880-329 100 (4x25)		orange 880-340 100 (4x25)		orange 880-347 100 (4x25)	
gray 880-326 100 (4x25)		gray 880-309 100 (4x25)		gray 880-345 100 (4x25)	

880 Series Accessories

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

Insulation stop, ④ 5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "F-st") white 280-470 200 (8x25)	Staggered jumper, ④ insulated, width 5 mm/0.197 in, I _N 24 A from 1 to 2 780-452 100 (4x25) from 1 to 3 780-453 100 (4x25) from 1 to 4 780-454 100 (4x25) from 1 to 5 780-455 50 (2x25) from 1 to 6 780-456 50 (2x25) from 1 to 7 780-457 50 (2x25) from 1 to 8 780-458 50 (2x25)	Comb-style jumper bar, insulated, I _N = I _N terminal block 10-way 280-490 50 (2x25)
Insulation stop, ④ 5 pcs/strip, 0.25 - 0.5 mm ² light gray 280-471 200 (8x25)		Alternate comb-style jumper bar, insulated, I _N = I _N terminal block 2-way 280-492 200 (8x25)
Insulation stop, ④ 5 pcs/strip, 0.75 - 1 mm ² dark gray 280-472 200 (8x25)		Operating tool, of insulating material 2-way 280-432 1 3-way 280-433 1
Adjacent jumper, insulated, I _N = I _N terminal block gray 280-402 200 (8x25) yellow-green 280-422 200 (8x25)	Push-in type wire jumper, ④ insulated, I _N 9 A, wire size 0.75 mm ² L = 60 mm 249-125 10 L = 110 mm 249-126 10 L = 250 mm 249-127 10	Operating tool, of insulating material 10-way 280-440 1
Alternate jumper, insulated, I _N = I _N terminal block gray 280-409 100 (4x25)		Test plug module, ④ can be snapped together, 5 mm wide gray 280-418 100 (4x25)
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 280-415 100 (4x25)	Comb-style jumper bar, insulated, ④ I _N = I _N terminal block 2-way 280-482 200 (8x25) 3-way 280-483 200 (8x25)	Spacer module, can be snapped together, 5 mm wide gray 280-419 100 (4x25)

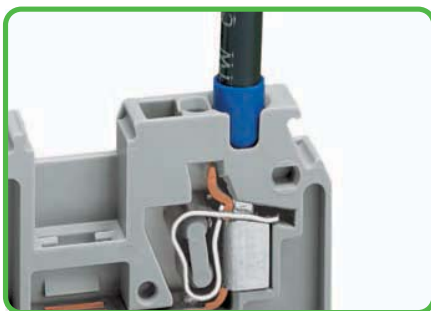
For list of approvals and user guide, see pages 634 to 637.



With/without shield contact



Features

- 2-, 3- and 4-conductor terminal blocks, only 5 mm/0.197 in wide
- Conductor cross section up to 4 mm² (per VDE 0281), or * AWG 12 with ferrule (Item No. 216-206)
- * 2.5 mm²/AWG 14 with rubber-insulated conductors having a diameter up to 4.4 mm (0.173 in)
- Shield contact, solder contact /quick-connect contact 6.3 [2 x 2.8] mm
- Test plug, red, 2 mm Ø
- Test plug, yellow, 2.3 mm Ø
- WMB marking
- Miniature WSB marking, on both sides
- Commoning with standard WAGO jumper system



Using a AWG 12 cable with ferrule (Item No. 216-206)












- 1 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree

 600 V/20 A with shield contact
 400 V/6 kV/3
 300 V/10 A (also see Section 14)

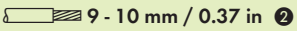
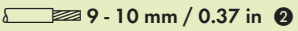
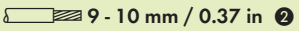
- 2 Strip length, see packaging or instructions.
- 3 Suitable for Ex i applications
- 4 See application notes for:
Test plug modules, pages 194 - 196
Banana plug, page 198
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200
Staggered jumper, page 201
Push-in type wire jumper, page 201

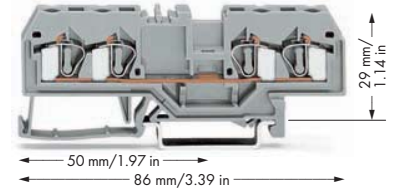
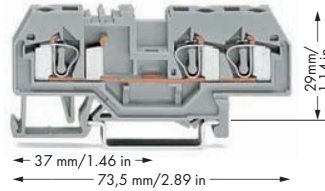
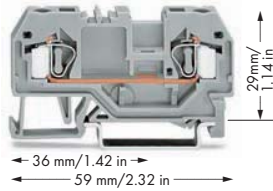


880 Series Accessories

	Test plug, with 500 mm cable, 2.3 mm Ø yellow	210-137	50
	Test plug, with 500 mm cable, 2 mm Ø red	210-136	50
	Test plug adapter, 5 mm wide, for terminal blocks 1.5 - 4 mm ² , for 210-137 test plug 2.3 mm Ø gray	280-404	100 (4x25)
	Test plug adapter, 8.3 mm wide, for terminal blocks 1.5 - 10 mm ² , for test plug 4 mm Ø gray	209-170	50 (2x25)
	Banana plug, for socket 4 mm Ø, color mixed	215-111	50
	Test plug adapter, 6 mm wide, with CAGE CLAMP®, for 0.08 - 2.5 mm ² I _N 24 A	281-407	100 (4x25)
	WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white	2009-115	1
	WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain	793-5501	5
	Miniature WSB Quick marking system, 10 strips with 10 markers per card, 5 mm wide markers plain	248-501	5
	Screwless end stop, for DIN 35 rail, 6 mm wide gray	249-116	100 (4x25)
	Screwless end stop, for DIN 35 rail, 10 mm wide gray	249-117	50 (2x25)

Through/Ground Conductor/Shield and Ex Terminal Blocks 4 mm² 281 Series

0.08 - 4 mm² 800 V/8 kV/3 ① I_N 32 A Terminal block width 6 mm / 0.236 in  9 - 10 mm / 0.37 in ②	AWG 28 - 12 600 V, 20 A ③ 600 V, 25 A ④	0.08 - 4 mm² 800 V/8 kV/3 ① I_N 32 A Terminal block width 6 mm / 0.236 in  9 - 10 mm / 0.37 in ②	AWG 28 - 12 600 V, 20 A ③ 600 V, 25 A ④	0.08 - 4 mm² 800 V/8 kV/3 ① I_N 26 A Terminal block width 6 mm / 0.236 in  9 - 10 mm / 0.37 in ②	AWG 28 - 12 600 V, 20 A ③ 600 V, 25 A ④
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block		3-conductor through terminal block		4-conductor through terminal block	
gray 281-901	50	gray 281-681	50	gray 281-652	50
blue 281-904 ③	50	blue 281-684 ③	50	blue 281-654 ③	50
orange 281-902	50	orange 281-678	50	orange 281-653	50
red 281-903	50	red 281-679	50	red 281-663	50
black 281-905	50	black 281-685	50	black 281-664	50
yellow 281-906	50	yellow 281-686	50	yellow 281-668	50
light gray ④	50	light gray ④	50	light gray ④	50
2-conductor ground terminal block		3-conductor ground terminal block		4-conductor ground terminal block	
green-yellow 281-907	50	green-yellow 281-687	50	green-yellow 281-657	50
green-yellow ④	50	green-yellow ④	50	green-yellow ④	50
Other terminal blocks with the same profile:		Other terminal blocks with the same profile:		Other terminal blocks with the same profile:	
Diode 281-915/281-410	Page 258	Diode 281-673/281-410	Page 258	Diode 281-665/281-410	Page 258
Disconnect 281-912	Page 208	Disconnect 281-683	Page 208	Disconnect 281-659	Page 208
Carrier 281-916	Page 230	Carrier 281-610	Page 230	Disc., test & meas. 281-666	Page 208
				Carrier 281-656	Page 230


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 281-329 100 (4x25)	orange 281-326 100 (4x25)	orange 281-335 100 (4x25)
gray 281-328 100 (4x25)	gray 281-324 100 (4x25)	gray 281-334 100 (4x25)
light gray 281-349 100 (4x25)	light gray 281-355 100 (4x25)	light gray 281-345 100 (4x25)
Separator, oversized, 2 mm thick	Separator, oversized, 2 mm thick	Separator, oversized, 2 mm thick
orange 281-331 100 (4x25)	orange 281-346 100 (4x25)	orange 281-339 100 (4x25)
gray 281-330 100 (4x25)	gray 281-344 100 (4x25)	gray 281-338 100 (4x25)
light gray 281-350 100 (4x25)	light gray 281-356 100 (4x25)	light gray 281-347 100 (4x25)
Ex e/Ex i separator, orange, 3 mm thick	Ex e/Ex i separator, orange, 3 mm thick	Ex e/Ex i separator, orange, 3 mm thick
120 mm 209-191 50 (2x25)	120 mm 209-191 50 (2x25)	120 mm 209-191 50 (2x25)
90 mm 209-190 50 (2x25)		
		Cover plate, 1 mm thick
		gray 284-336 100
		orange 284-346 100

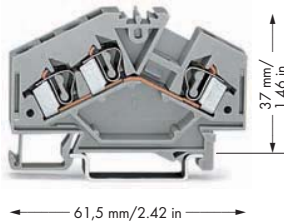
281 Series Accessories

Appropriate marking systems: WMB/WFB
(see Section 13)

Insulation stop, ⑤ 5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "F-st") white 281-470 200 (8x25)	Insulation stop, ⑤ 5 pcs/strip, 0.25 - 0.5 mm ² light gray 281-471 200 (8x25)	Insulation stop, ⑤ 5 pcs/strip, 0.25 - 1.5 mm ² dark gray 281-472 200 (8x25)
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For list of approvals and user guide, see pages 634 to 637.

0.08 - 4 mm ²	AWG 28 - 12
800 V/8 kV/3 ①	600 V, 20 A ②
I _N 32 A	600 V, 25 A ③
Terminal block width 6 mm / 0.236 in	
 9 - 10 mm / 0.37 in ②	



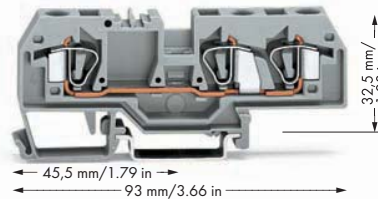
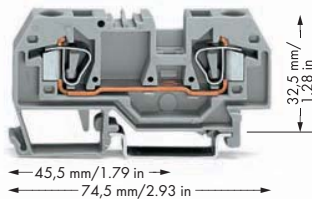
- ① 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ Suitable for Ex i applications
- ④ Suitable for Ex e II applications
0.2 mm² - 4 mm²/AWG 24 - 12
550 V, 30 A
(also see Section 14)
Using staggered jumpers reduces the maximum rated voltage to 275 V.
- ⑤ See application notes for:
Test plug modules, pages 194 - 196
Banana plug, page 198
Insulation stop, page 199
Comb-style jumper bar, page 200
Operating tool, page 200
Staggered jumper, page 201
Push-in type wire jumper, page 201
Step-down jumper, pages 178 - 179

Item No.	Pack. Unit	281 Series Accessories	
Appropriate marking systems: WMB/WFB (see Section 13)			
3-conductor through terminal block		Adjacent jumper, insulated,	Step-down jumper, insulated,
gray	281-631 100	I _N = I _N terminal block	I _N 30 A
blue	281-651 ③ 100	gray 281-402 200 (8x25)	gray 284-413 50 (2x25)
light gray ④	281-998 ④ 100	yellow-green 281-422 200 (8x25)	
3-conductor ground terminal block		Alternate jumper, insulated,	Cover plate,
green-yellow	281-637 100	I _N = I _N terminal block	1 mm thick
green-yellow ④	281-637/999-950 ④ 100	gray 281-409 100 (4x25)	gray 284-334 100
			orange 284-344 100
		Push-in type wire jumper,	Test plug module,
		⑤ insulated,	⑤ can be snapped together,
		I _N 9 A,	6 mm wide
		wire size 0.75 mm ²	gray 281-418 100 (4x25)
		L = 60 mm 249-125 10	Spacer module,
		L = 110 mm 249-126 10	can be snapped together,
		L = 250 mm 249-127 10	6 mm wide
			gray 281-419 100 (4x25)
		Staggered jumper,	Test plug,
		⑤ insulated,	with 500 mm cable,
		width 6 mm/0.236 in,	2 mm Ø
		I _N 32 A	red 210-136 50
		from 1 to 2 781-452 100 (4x25)	Test plug,
		from 1 to 3 781-453 100 (4x25)	with 500 mm cable,
		from 1 to 4 781-454 100 (4x25)	2.3 mm Ø
		from 1 to 5 781-455 50 (2x25)	yellow 210-137 50
		from 1 to 6 781-456 50 (2x25)	Test plug adapter, 5 mm wide,
			for terminal blocks 1.5 - 4 mm ² ,
			for 210-137 test plug 2.3 mm Ø
			gray 280-404 100 (4x25)
Item-Specific Accessories		Comb-style jumper bar, insulated,	Test plug adapter, 8.3 mm wide,
End and intermediate plate, 2.5 mm thick		I _N = I _N terminal block	for terminal blocks 1.5 - 10 mm ² ,
orange 281-313 100 (4x25)		⑤ 2-way 281-482 100 (4x25)	for test plug 4 mm Ø
gray 281-312 100 (4x25)		3-way 281-483 100 (4x25)	gray 209-170 50 (2x25)
light gray 281-357 100 (4x25)		5-way 281-485 100 (4x25)	
Separator, oversized, 2 mm thick		10-way 281-490 50 (2x25)	Banana plug,
gray 281-318 100 (4x25)			⑤ for socket 4 mm Ø,
gray 281-348 100 (4x25)			color mixed
light gray 281-358 100 (4x25)			215-111 50
Ex e/Ex i separator, orange,		Alternate comb-style jumper bar,	Test plug adapter, 6 mm wide,
3 mm thick		insulated,	with CAGE CLAMP®,
120 mm 209-191 50 (2x25)		I _N = I _N terminal block	for 0.08 - 2.5 mm ²
		2-way 281-492 100 (4x25)	I _N 24 A 281-407 100 (4x25)
		Operating tool, of insulating material	Screwless end stop,
		2-way 280-432 1	for DIN 35 rail,
		3-way 280-433 1	6 mm wide
		5-way 281-440 1	gray 249-116 100 (4x25)
Protective warning marker,		Step-down jumper, insulated,	Screwless end stop,
with high-voltage symbol, black,		⑤ I _N 15 A	for DIN 35 rail,
for 5 terminal blocks		gray 284-414 50 (2x25)	10 mm wide
yellow 281-415 100 (4x25)			gray 249-117 50 (2x25)

Through/Ground Conductor and Ex Terminal Blocks 6 mm² 282 Series

CAGE CLAMP®

0.2 - 6 mm ² 800 V/8 kV/3 ① I _N 41 A	AWG 24 - 10 600 V, 30 A ② 600 V, 40 A ③	0.2 - 6 mm ² 800 V/8 kV/3 ① I _N 41 A	AWG 24 - 10 600 V, 30 A ② 600 V, 40 A ③
Terminal block width 8 mm / 0.315 in ④ 12 - 13 mm / 0.49 in ⑤		Terminal block width 8 mm / 0.315 in ④ 12 - 13 mm / 0.49 in ⑤	



- ① 800 V = rated voltage
8 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 Suitable for Ex e II applications
0.5 mm² - 6 mm²/AWG 20 - 10
550 V, 39 A
Jumper 35 A
(also see Section 14)
- ⑤ See application notes for:
Test plug module, page 197
Banana plug, page 198
Step-down jumper, pages 178 - 179

Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block		3-conductor through terminal block	
gray 282-901	50	gray 282-681	25
blue 282-904 ③	50	blue 282-684 ③	25
orange 282-902	50	orange 282-682	25
light gray ④	50	light gray ④	50
2-conductor ground terminal block		3-conductor ground terminal block	
green-yellow 282-907	50	green-yellow 282-687	25
green-yellow ④	50	green-yellow ④	50
Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick	
orange 282-328	100 (4x25)	orange 282-339	100 (4x25)
gray 282-325	100 (4x25)	gray 282-308	100 (4x25)
light gray 282-330	100 (4x25)	light gray 282-341	100 (4x25)
Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick	
orange 282-329	100 (4x25)	orange 282-340	100 (4x25)
gray 282-326	100 (4x25)	gray 282-309	100 (4x25)
light gray 282-331	100 (4x25)	light gray 282-342	100 (4x25)
Cover plate,		Cover plate,	
1 mm thick		1 mm thick	
gray 282-357	25	gray 282-358	25
orange 282-367	25	orange 282-368	25


Commoning with step-down jumpers

A step-down cover plate must be inserted between terminal blocks to be jumpered. Step-down jumper 284-414 commons 10/6 mm²/AWG 8/10 terminal blocks with 4/2.5/1.5 mm²/AWG 12/14/16 terminal blocks.

Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers.


Commoning with step-down jumpers

A step-down cover plate must be inserted between terminal blocks to be jumpered. Step-down jumper 284-413 commons 10/6 mm²/AWG 8/10 terminal blocks with 6/4 mm²/AWG 10/12 terminal blocks.

Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers.

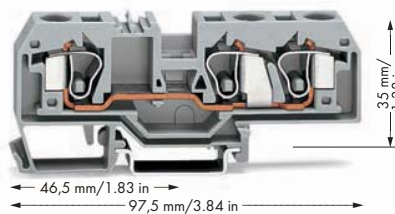
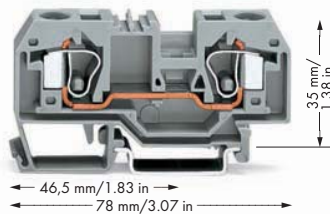
Note:

The total current flowing shall not exceed the rating of the step-down jumper.

282 Series Accessories		282 Series Accessories	
Appropriate marking systems: WMB/WFB (see Section 13)			
Ex e/Ex i separator, orange, 3 mm thick	120 mm 209-191	50 (2x25)	
Adjacent jumper, insulated, I _N 41 A	gray 282-402	100 (4x25)	
	yellow-green 282-422	100 (4x25)	
Alternate jumper, insulated, I _N 41 A	gray 282-409	100 (4x25)	
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks	yellow 282-415	100 (4x25)	
Step-down jumper, insulated, ⑤ I _N 15 A	gray 284-414	50 (2x25)	
Step-down jumper, insulated, I _N 30 A	gray 284-413	50 (2x25)	
Test plug adapter, 8.3 mm wide, for terminal blocks 1.5 - 10 mm ² , for test plug 4 mm Ø	gray 209-170	50 (2x25)	
Banana plug, ⑤ for socket 4 mm Ø, color mixed	215-111	50	
B-type test plug module, ⑤ can be snapped together, 8 mm wide	gray 709-310	100 (4x25)	
B-type spacer module, can be snapped together, 8 mm wide	gray 709-311	100 (4x25)	

Through/Ground Conductor and Ex Terminal Blocks 10 mm² 284 Series

0.2 - 10 mm ² 800 V/8 kV/3 ① I _N 57 A	AWG 24 - 8 600 V, 50 A ② 600 V, 54 A ③	0.2 - 10 mm ² 800 V/8 kV/3 ① I _N 57 A	AWG 24 - 8 600 V, 50 A ② 600 V, 54 A ③
Terminal block width 10 mm / 0.394 in 12 - 13 mm / 0.49 in ②		Terminal block width 10 mm / 0.394 in 12 - 13 mm / 0.49 in ②	

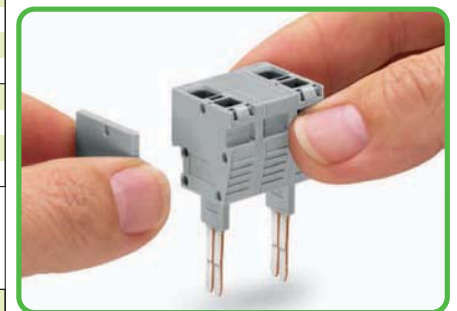


- ① 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ Suitable for Ex e II applications
0.5 mm² - 10 mm²/AWG 20 - 8
550 V, 53 A
(also see Section 14)
- ④ See application notes for:
Test plug module, page 197
Banana plug, page 198
Step-down jumper, pages 178 - 179

Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block		3-conductor through terminal block	
gray 284-901	25	gray 284-681	25
blue 284-904	25	blue 284-684	25
orange 284-902	25	orange 284-682	25
light gray ④ 284-992 ③	25	light gray ④ 284-993 ③	25
2-conductor ground terminal block		3-conductor ground terminal block	
green-yellow 284-907	25	green-yellow 284-687	25
green-yellow ④ 284-907/999-950 ③	25	green-yellow ④ 284-687/999-950 ③	25
Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2.5 mm thick		End and intermediate plate, 2.5 mm thick	
orange 284-328	100 (4x25)	orange 284-339	100 (4x25)
gray 284-325	100 (4x25)	gray 284-308	100 (4x25)
light gray 284-330	100 (4x25)	light gray 284-341	100 (4x25)
Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick	
orange 284-329	100 (4x25)	orange 284-340	100 (4x25)
gray 284-326	100 (4x25)	gray 284-309	100 (4x25)
light gray 284-331	100 (4x25)	light gray 284-342	100 (4x25)
Cover plate, 1 mm thick		Cover plate, 1 mm thick	
gray 284-357	25	gray 284-358	25
orange 284-367	25	orange 284-368	25



Inserting a finger guard seals unused conductor entries.



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

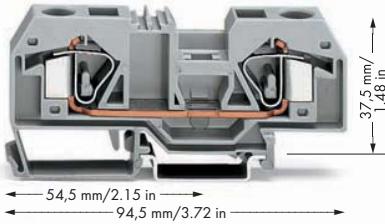
284 Series Accessories			
Appropriate marking systems: WMB/WFB (see Section 13)			
Adjacent jumper, insulated, I_N 57 A		Step-down jumper, insulated, I_N 30 A	
gray 284-402	100 (4x25)	gray 284-413	50 (2x25)
yellow-green 284-422	100 (4x25)		
Alternate jumper, insulated, I_N 57 A		Test plug adapter, 8.3 mm wide, for terminal blocks 1.5 - 10 mm², for test plug 4 mm Ø	
gray 284-409	50 (2x25)	gray 209-170	50 (2x25)
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks		Banana plug, ④ for socket 4 mm Ø, color mixed	
yellow 284-415	50 (2x25)	215-111	50
Finger guard, touchproof cover protects unused conductor entries		B-type test plug module, ④ can be snapped together, 8 mm wide	
yellow 284-400	100 (4x25)	gray 709-310	100 (4x25)
Step-down jumper, insulated, I_N 15 A		B-type spacer plate, can be snapped together, 2 mm wide	
gray 284-414	50 (2x25)	gray 709-312	100 (4x25)

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

Through/Ground Conductor and Ex Terminal Blocks 16 mm² 283 Series

CAGE CLAMP®

0.2 - 16 mm² AWG 24 - 6
 800 V/8 kV/3 ① 600 V, 65 A^{NA}
 I_N 76 A 600 V, 70 A[Ⓜ]
 Terminal block width 12 mm / 0.472 in
 16 - 17 mm / 0.65 in ②



- ① 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ Suitable for Ex e II applications
0.5 mm² - 16 mm²/AWG 20 - 6
550 V, 68 A
Jumper 63 A
(also see Section 14)
- ④ See application notes for:
Banana plug, page 198
Step-down jumper, pages 178 - 179

Item No.	Pack. Unit	283 Series Accessories
2-conductor through terminal block		Appropriate marking systems (see Section 13)
gray	283-901	20
blue	283-904	20
orange	283-902	20
light gray ②	283-992 ③	20
2-conductor ground terminal block		End and intermediate plate, 2.5 mm thick
green-yellow	283-907	20
green-yellow ②	283-907/999-950 ③	20
		orange 283-328 50 (2x25)
		gray 283-325 50 (2x25)
		light gray 283-330 50 (2x25)
		Separator, oversized, 2 mm thick
		orange 283-329 50 (2x25)
		gray 283-326 50 (2x25)
		light gray 283-331 50 (2x25)
		Adjacent jumper, insulated,
		I _N 70 A
		gray 283-402 50 (2x25)
		yellow-green 283-422 50 (2x25)
		Alternate jumper, insulated,
		I _N 76 A
		gray 283-409 50 (2x25)
		Protective warning marker,
		with high-voltage symbol, black, for 5 terminal blocks
		yellow 283-415 50 (2x25)
		Finger guard,
		touchproof cover protects unused conductor entries
		yellow 283-400 100 (4x25)
		Step-down jumper, insulated,
		I _N 32 A
		gray 283-414 50 (2x25)
		Cover plate,
		1 mm thick
		gray 283-357 25
		orange 283-367 25
		Test plug adapter, 11.6 mm wide,
		for 1.5 - 16 mm ² terminal blocks, for test plug 4 mm Ø
		gray 283-404 25
		Banana plug,
		for socket 4 mm Ø, color mixed
		215-111 50
		Screwless end stop,
		for DIN 35 rail, 6 mm wide
		gray 249-116 100 (4x25)
		Screwless end stop,
		for DIN 35 rail, 10 mm wide
		gray 249-117 50 (2x25)



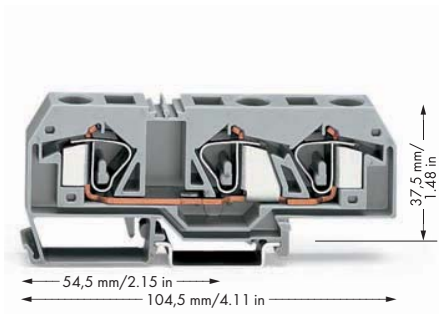
Commoning with step-down jumpers
 A step-down cover plate must be inserted between terminal blocks to be jumpered. Step-down jumper 284-414 commons 16 mm²/AWG 6 terminal blocks with 4 mm²/AWG 12 terminal blocks.

Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers.

Note:
The total current flowing shall not exceed the rating of the step-down jumper.

Through/Ground Conductor and Ex Terminal Blocks 16 mm² 283 Series

0.2 - 16 mm ²	AWG 24 - 6
800 V/8 kV/3 ①	600 V, 65 A ^{UL}
I _N 76 A	600 V, 70 A ^{CE}
Terminal block width 12 mm / 0.472 in	
16 - 17 mm / 0.65 in ②	



- ① 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ Suitable for Ex e II applications
0.5 mm² - 16 mm²/AWG 20 - 6
550 V, 68 A
(also see Section 14)



Item No.	Pack. Unit	283 Series Accessories
3-conductor through terminal block		Appropriate marking systems (see Section 13)
gray	283-671	20
blue	283-674	20
orange	283-672	20
light gray	283-998 ③	20
3-conductor ground terminal block		
green-yellow	283-677	20
green-yellow	283-677/999-950 ③	20
Notice: These terminal blocks cannot be commoned using adjacent jumpers		
		End and intermediate plate, 2.5 mm thick
		orange 283-352 50 (2x25)
		gray 283-350 50 (2x25)
		light gray 283-354 50 (2x25)
		Separator, oversized, 2 mm thick
		orange 283-353 50 (2x25)
		gray 283-351 50 (2x25)
		light gray 283-355 50 (2x25)
		Protective warning marker,
		with high-voltage symbol, black, for 5 terminal blocks
		yellow 283-415 50 (2x25)
		Finger guard,
		touchproof cover protects unused conductor entries
		yellow 283-400 100 (4x25)
		Screwless end stop,
		for DIN 35 rail, 6 mm wide
		gray 249-116 100 (4x25)
		Screwless end stop,
		for DIN 35 rail, 10 mm wide
		gray 249-117 50 (2x25)



The markers are not covered by the wiring when marking terminal blocks in center position.



Inserting a finger guard seals unused conductor entries.

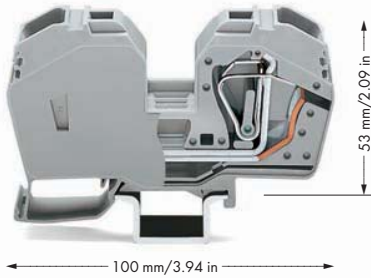
For list of approvals and user guide, see pages 634 to 637.

Through/Ground Conductor and Ex Terminal Blocks 35 mm² 285 Series

CAGE CLAMP®

6 - 35 mm² | AWG 8 - 2
 1000 V/8 kV/3 ① | 600 V, 115 A[Ⓜ]
 I_N 125 A | 600 V, 120 A[Ⓒ]

Terminal block width 16 mm / 0.63 in
 23 mm / 0.91 in ②



Terminating a 35 mm²/AWG 2 conductor.

① 1000 V = rated voltage
 8 kV = rated surge voltage
 3 = pollution degree

(also see Section 14)

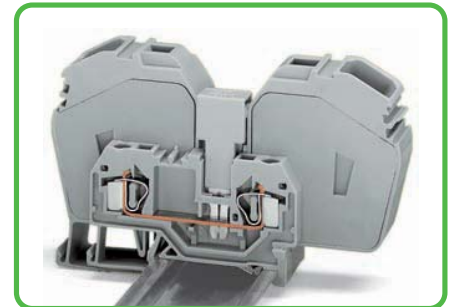
② Strip length, see packaging or instructions.

③ Suitable for Ex e II applications
 6 mm² - 35 mm²/AWG 8 - 2
 880 V, 85 A
 6 mm² - 25 mm²/AWG 8 - 4
 for ground conductor terminal blocks
 (also see Section 14)

Item No.	Pack. Unit
2-conductor through terminal block, with integrated end plate, to be used exclusively on DIN 35 x 15 rail	
gray 285-635	15
blue 285-634	15
light gray ② 285-992 ③	15
2-conductor ground terminal block, with integrated end plate, to be used exclusively on DIN 35 x 15 rail	
green-yellow 285-637	15
green-yellow ② 285-637/999-950 ③	15
285 Series Accessories	
Appropriate marking systems: WMB/Miniature WSB/WFB	
Adjacent jumper, insulated, I _N 85 A	
gray 285-435	50 (2x25)
Step-down jumper, insulated, I _N 32 A	
gray 283-414	50 (2x25)
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks	
yellow 285-416	50 (2x25)
Finger guard, touchproof cover protects unused conductor entries	
yellow 285-401	100
Screwless end stop, for DIN 35 rail, 6 mm wide	
gray 249-116	100 (4x25)
Screwless end stop, for DIN 35 rail, 10 mm wide	
gray 249-117	50 (2x25)



Protective warning markers inserted into the operating slots.



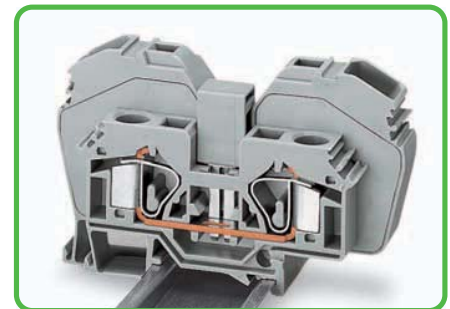
Commoning a 285 Series terminal block (35 mm²/AWG 2) with a 281 Series terminal block (4 mm²/AWG 12) using a 283-414 step-down jumper. Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers.

Note:

The total current flowing shall not exceed the rating of the step-down jumper.



Inserting a finger guard seals unused conductor entries.



285 Series terminal blocks can be commoned with 283 Series terminal blocks: 285-635 or 285-634 with 283-601 or 283-604 (for terminal blocks with side marking, see www.wagocatalog.com). Jumper required: 285-435.

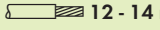
Please note that the nominal current of adjacent jumper shall not exceed 63A.

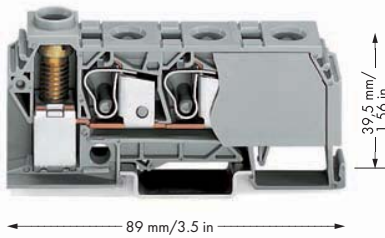
Distribution Terminal blocks 3 x 10 mm² CAGE CLAMP® Connection and 1 x 35 mm² Screw Clamp Connection 284 Series

CAGE CLAMP®

3

177

0.2 - 10 mm² ① AWG 24 - 8
 6 - 35 mm² ② AWG 10 - 2
 800 V/8 kV/3 ③
 I_N 125 A
 Terminal block width 17.5 mm / 0.689 in
 12 - 14 mm / 0.51 in ④

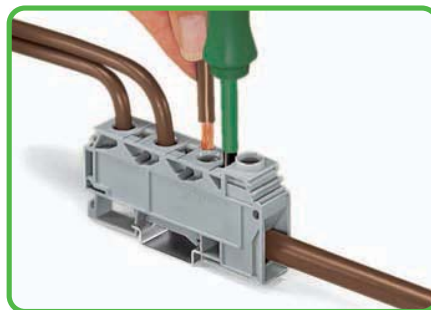


Terminating a 35 mm²/AWG 2 conductor. Screw clamp connection, side-entry wiring.

- ① CAGE CLAMP® connection
- ② Screw clamp termination
- ③ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ④ Strip length, see packaging or instructions.
- ⑤ Individual arrangement: 125 A
Two jumpers combined in one clamping unit: 100 A

3

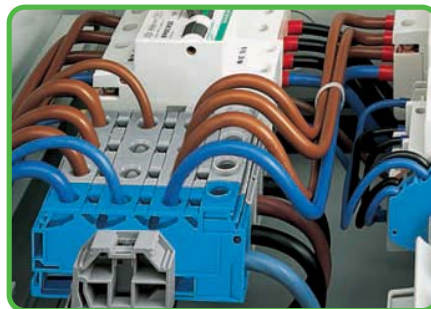
Item No.	Pack. Unit
Distribution terminal block, with 3 x CAGE CLAMP® connection 10 mm ² and 1 x screw clamp connection 35 mm ² , Screw torque: 3.5 Nm	
○ gray 284-621	15
● blue 284-624	15
Accessories for Distribution Terminal Blocks Appropriate marking system: WMB	
Comb-style jumper bar, insulated, ⑤ I _N 125 A for 1 jumper, I _N 100 A for 2 jumpers	
gray 284-412	100 (4x25)
Screwless end stop, for DIN 35 rail, 6 mm wide	
gray 249-116	100 (4x25)
Screwless end stop, for DIN 35 rail, 10 mm wide	
gray 249-117	50 (2x25)



Terminating a 10 mm²/AWG 8 conductor CAGE CLAMP® connection, front-entry wiring.



Commoning with comb-style jumper bar.



Rail-mounted distribution terminal block with 35 mm²/AWG 2 screw clamp connection (front-entry) and 3 x 10 mm²/AWG 8 front-entry CAGE CLAMP® connection.

Snaps onto DIN 35 carrier rails per EN 60675. The terminal block enclosed on both sides, an end or intermediate plate is not necessary.

In case of maximum wiring with 3 x 10 mm²/AWG 8 on the distribution side the nominal current of 125A shall not be exceeded.

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