

Rail-Mounted Terminal Blocks (Side-Entry) Series 279 to 284

Conductor termination



Open the clamping spring using a screwdriver and insert stripped conductor until it hits the stop.



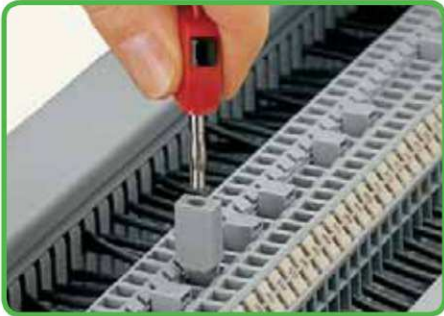
The plunger is placed into the upper operating slot of the side-entry terminal block and the clamp is hooked into the lateral operating slot. The contact is fully opened by pressing the handles together until they engage. Insert stripped conductor until it hits the stop.

Marking



Marking via WMB Multi marking system or WSB Quick marking system.

Testing

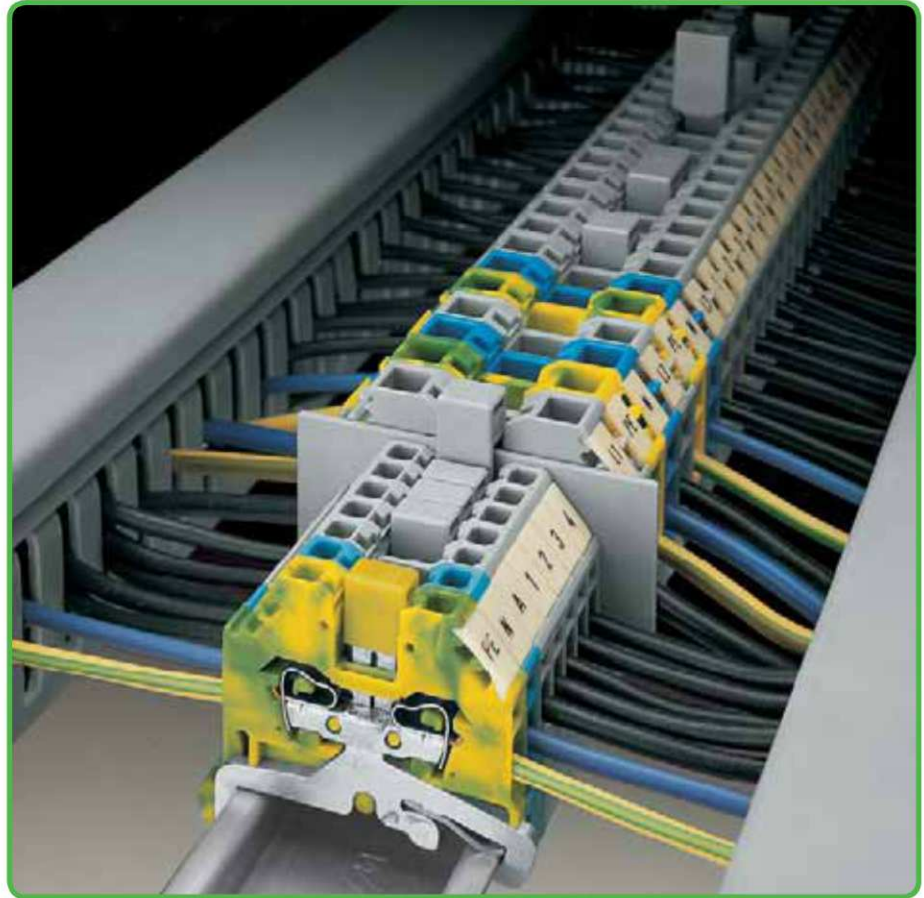


Testing with test plug adapter.

Commoning



Commoning with adjacent jumpers. Push jumper down firmly until fully inserted!



Commoning with step-down jumpers



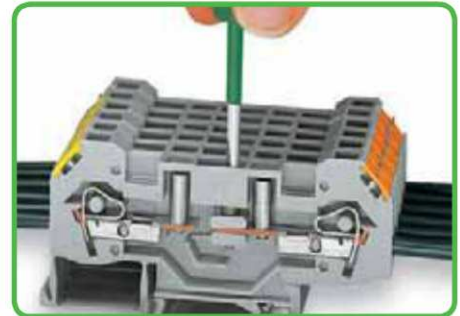
Commoning of side-entry rail-mounted terminal blocks with step-down jumpers.

Fused disconnect terminal blocks



Replacing a fuse.

Disconnect terminal blocks



Shifting the disconnect slide link.

CAGE CLAMP® clamps the following copper conductors:



solid



stranded



fine-stranded



tip bonded



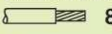


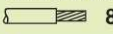


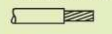


with crimped ferrule

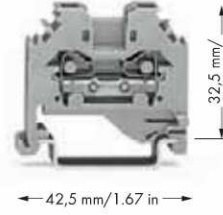
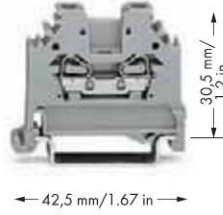
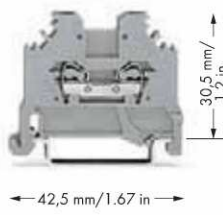


with crimped pin terminal

Strip length, see packaging or instructions.

Through and Ground (Earth) Conductor Terminal Blocks, Side-Entry Series 279 to 281

0.08 – 1.5 mm ² 800 V/8 kV/3 I _N 18 A Terminal block width 4 mm / 0.157 in  8 – 9 mm / 0.33 in ① Approvals	AWG 28 – 16 600 V, 10 A  600 V, 10 A 	0.08 – 2.5 mm ² 800 V/8 kV/3 I _N 24 A Terminal block width 5 mm / 0.197 in  8 – 9 mm / 0.33 in ① Approvals	AWG 28 – 12* 600 V, 20 A  600 V, 20 A 	0.08 – 4 mm ² 800 V/8 kV/3 I _N 32 A Terminal block width 6 mm/0.236 in  9 – 10 mm / 0.37 in ① Approvals	AWG 28 – 12 600 V, 20 A  600 V, 25 A 
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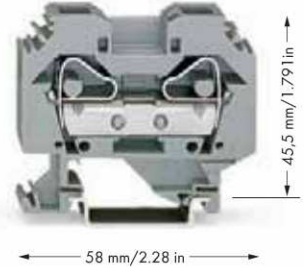
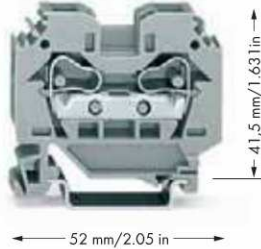
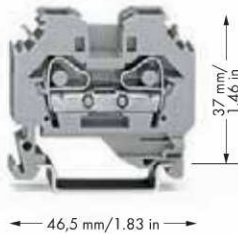
Color	Item No.	PU	Color	Item No.	PU	Color	Item No.	PU
2-conductor through terminal block			2-conductor through terminal block			2-conductor through terminal block		
gray	279-101	100	gray	280-101	100	gray	281-101	100
blue	279-104	100	blue	280-104	100	blue	281-104	100
2-conductor (ground) earth terminal block			2-conductor (ground) earth terminal block			2-conductor (ground) earth terminal block		
			green-yellow	280-107	100	green-yellow	281-107	100
End and intermediate plate, 2.5 mm/0.098 in thick			End and intermediate plate, 2.5 mm/0.098 in thick			End and intermediate plate, 3 mm/0.118 in thick		
	orange 280-302	100 (4 x 25)		orange 280-302	100 (4 x 25)		orange 281-302	100 (4 x 25)
	gray 280-301	100 (4 x 25)		gray 280-301	100 (4 x 25)		gray 281-301	100 (4 x 25)
Separator plate, oversized, 2 mm/0.079 in thick			Separator plate, oversized, 2 mm/0.079 in thick			Separator plate, oversized, 2 mm/0.079 in thick		
	orange 280-322	100 (4 x 25)		orange 280-322	100 (4 x 25)		orange 281-322	100 (4 x 25)
	gray 280-332	100 (4 x 25)		gray 280-332	100 (4 x 25)		gray 281-332	100 (4 x 25)
Accessories, Series 279 Appropriate marking systems: WMB/WSB			Accessories, Series 280 Appropriate marking systems: WMB/WSB			Accessories, Series 281 Appropriate marking systems: WMB/WSB		
Adjacent jumper, insulated, I_N 15 A			Adjacent jumper, insulated, I_N 24 A			Adjacent jumper, insulated, I_N 32 A		
	gray 279-402	200 (8 x 25)		gray 280-402	200 (8 x 25)		gray 281-402	200 (8 x 25)
	yellow-green 279-422	200 (8 x 25)		yellow-green 280-422	200 (8 x 25)		yellow-green 281-422	200 (8 x 25)
Alternate jumper, insulated, I_N 15 A			Alternate jumper, insulated, I_N 24 A			Alternate jumper, insulated, I_N 32 A		
	gray 279-409	100 (4 x 25)		gray 280-409	100 (4 x 25)		gray 281-409	100 (4 x 25)
Staggered jumper, insulated, I_N 24 A, width 5 mm/0.197 in			Staggered jumper, insulated, I_N 32 A, width 6 mm/0.236 in			Staggered jumper, insulated, I_N 32 A, width 6 mm/0.236 in		
	from 1 to 2 279-452	100 (4 x 25)		from 1 to 2 280-452	100 (4 x 25)		from 1 to 2 281-452	100 (4 x 25)
	from 1 to 3 279-453	100 (4 x 25)		from 1 to 3 280-453	100 (4 x 25)		from 1 to 3 281-453	100 (4 x 25)
	from 1 to 4 279-454	100 (4 x 25)		from 1 to 4 280-454	100 (4 x 25)		from 1 to 4 281-454	100 (4 x 25)
	from 1 to 5 279-455	50 (2 x 25)		from 1 to 5 280-455	50 (2 x 25)		from 1 to 5 281-455	50 (2 x 25)
	:	:		:	:		:	:
	from 1 to 8 279-458	50 (2 x 25)		from 1 to 8 280-458	50 (2 x 25)		from 1 to 6 281-456	50 (2 x 25)
Test plug adapter, for terminal blocks 1.5 - 10 mm²/ AWG 16 - 12, 8 mm/0.315 in wide			Test plug adapter, for terminal blocks 1.5 - 10 mm²/ AWG 16 - 12, 8 mm/0.315 in wide			Test plug adapter, for terminal blocks 1.5 - 10 mm²/ AWG 16 - 12, 8 mm/0.315 in wide		
	209-170	50 (2 x 25)		209-170	50 (2 x 25)		209-170	50 (2 x 25)
	for test plug Ø 4 mm/0.157 in			for test plug Ø 4 mm/0.157 in			for test plug Ø 4 mm/0.157 in	
Protective warning marker, with high-voltage symbol, for 5 terminal blocks			Protective warning marker, with high-voltage symbol, for 5 terminal blocks			Protective warning marker, with high-voltage symbol, for 5 terminal blocks		
	yellow 279-405	100 (4 x 25)		yellow 280-405	100 (4 x 25)		yellow 281-405	100 (4 x 25)
Operating tool, for side-entry rail-mounted terminal blocks			Operating tool, for side-entry rail-mounted terminal blocks			Operating tool, for side-entry rail-mounted terminal blocks		
	210-143	1		210-143	1		210-141	1
Operating tool, with partially insulated shaft, (3.5 x 0.5) mm/(0.137 x 0.020) in			② Suitable for Ex i applications			Operating tool, with partially insulated shaft, (3.5 x 0.5) mm/(0.137 x 0.020) in		
	210-720	1					210-720	1

① Approvals are available online at: www.wago.com.
* AWG 12: THHN, THWN

For technical explanations and abbreviations, see technical section.

Through and Ground (Earth) Conductor Terminal Blocks, Side-Entry Series 282 to 284

<p>0.2 – 6 mm² 800 V/8 kV/3 I_N 41 A</p> <p>Terminal block width 8 mm / 0.315 in 12 – 13 mm / 0.49 in</p> <p>AWG 24 – 10 600 V, 30 A 600 V, 40 A </p>	<p>0.2 – 10 mm² 800 V/8 kV/3 I_N 57 A</p> <p>Terminal block width 10 mm / 0.394 in 12 – 13 mm / 0.49 in</p> <p>AWG 24 – 8 600 V, 50 A 600 V, 65 A </p>	<p>0.2 – 16 mm² 800 V/8 kV/3 I_N 76 A</p> <p>Terminal block width 12 mm / 0.472 in 16 – 17 mm / 0.65 in</p> <p>AWG 24 – 6 600 V, 65 A 600 V, 90 A </p>
<p> Approvals</p>		



Color	Item No.	PU	Color	Item No.	PU	Color	Item No.	PU
2-conductor through terminal block			2-conductor through terminal block			2-conductor through terminal block		
gray	282-101	50	gray	284-101	50	gray	283-101	50
blue	282-104	50	blue	284-104	50	blue	283-104	50
2-conductor (ground) earth terminal block			2-conductor (ground) earth terminal block			2-conductor (ground) earth terminal block		
green-yellow	282-107	50	green-yellow	284-107	50	green-yellow	283-107	50
End and intermediate plate, 4 mm/0.157 in thick			End and intermediate plate, 2.5 mm/0.098 in thick			End and intermediate plate, 4 mm/0.157 in thick		
	orange 282-302	100 (4 x 25)		orange 284-302	100 (4 x 25)		orange 283-302	100 (4 x 25)
	gray 282-301	100 (4 x 25)		gray 284-301	100 (4 x 25)		gray 283-301	100 (4 x 25)
Separator plate, oversized, 2 mm/0.079 in thick			Separator plate, oversized, 2 mm/0.079 in thick			Separator plate, oversized, 2 mm/0.079 in thick		
	orange 282-322	100 (4 x 25)		orange 284-322	100 (4 x 25)		orange 283-322	100 (4 x 25)
	gray 282-332	100 (4 x 25)		gray 284-332	100 (4 x 25)		gray 283-332	100 (4 x 25)
Accessories, Series 282			Accessories, Series 284			Accessories, Series 283		
Appropriate marking systems: WMB/WSB			Appropriate marking systems: WMB/WSB			Appropriate marking systems: WMB/WSB		
Adjacent jumper, insulated, I_N 41 A			Adjacent jumper, insulated, I_N 57 A			Adjacent jumper, insulated, I_N 70 A		
	gray 282-402	100 (4 x 25)		gray 284-402	100 (4 x 25)		gray 283-402	50 (2 x 25)
	yellow-green 282-422	100 (4 x 25)		yellow-green 284-422	100 (4 x 25)		yellow-green 283-422	50 (2 x 25)
Alternate jumper, insulated, I_N 41 A			Alternate jumper, insulated, I_N 57 A			Alternate jumper, insulated, I_N 76 A		
	gray 282-409	100 (4 x 25)		gray 284-409	100 (4 x 25)		gray 283-409	50 (2 x 25)
Test plug adapter, for terminal blocks 1.5 - 10 mm²/ AWG 16 - 12, 8 mm/0.315 in wide			Test plug adapter, for terminal blocks 1.5 - 10 mm²/ AWG 16 - 12, 8 mm/0.315 in wide			Test plug adapter, for terminal blocks 1.5 - 16 mm²/ AWG 16 - 6, 11.6 mm/0.457 in wide		
	209-170	50 (2 x 25)		209-170	50 (2 x 25)		283-404	25
for test plug Ø 4 mm/0.157 in			for test plug Ø 4 mm/0.157 in			for test plug Ø 4 mm/0.157 in		
Step-down jumper, insulated, I_N 15 A			Step-down jumper, insulated, I_N 30 A			Step-down jumper, insulated, I_N 32 A		
	gray 284-414	50 (2 x 25)		gray 284-413	50 (2 x 25)		gray 283-414	50 (2 x 25)
10/6 mm ² to 4/2.5/1.5 mm ² / AWG 12/14/16			10/6 mm ² /AWG 8/10 to 6/4 mm ² /AWG 10/12			16 mm ² /AWG 6 to 4 mm ² /AWG 12,		
Protective warning marker, with high-voltage symbol, for 5 terminal blocks			Protective warning marker, with high-voltage symbol, for 5 terminal blocks			Protective warning marker, with high-voltage symbol, for 5 terminal blocks		
	yellow 282-405	100 (4 x 25)		yellow 284-405	50 (2 x 25)		yellow 283-405	50 (2 x 25)
Operating tool, for side-entry rail-mounted terminal blocks			Operating tool, for side-entry rail-mounted terminal blocks			Operating tool, for side-entry rail-mounted terminal blocks		
	210-141	1		210-141	1		210-141	1
Operating tool, with partially insulated shaft (5.5 x 0.8) mm/(0.217 x 0.031) in			<p> Suitable for Ex i applications</p>			Banana plugs, only for protective extra-low voltage (42V)		
	210-721	1				<p>black 215-311 50</p> <p>red 215-212 50</p> <p>blue 215-711 50</p>		
Other colors and technical data see page 181								

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

For technical explanations and abbreviations, see technical section.