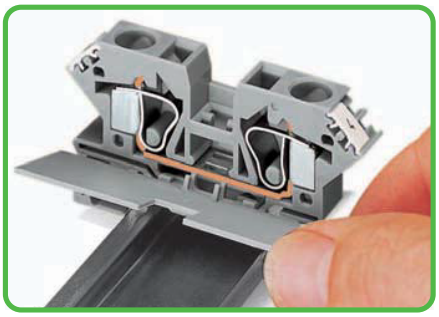
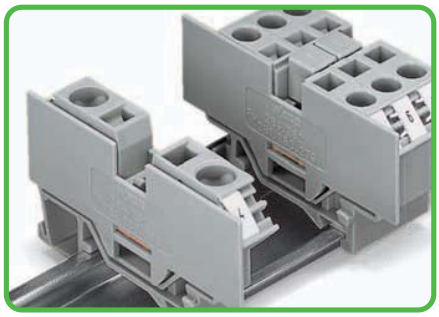
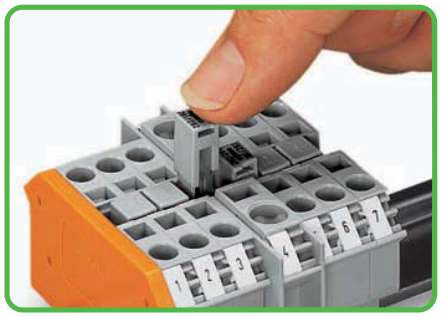
Step-Down Jumpers for Front-Entry Through Terminal Blocks up to 16 mm²
Front-entry terminal blocks cannot be commoned with side-entry terminal blocks



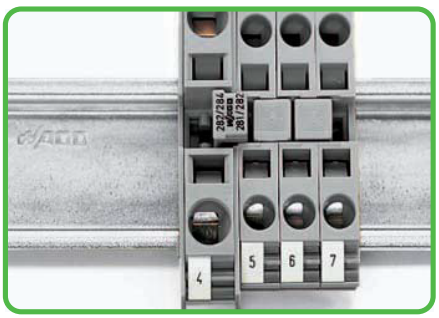
Cover plate snapped onto open side of terminal block.



Always use a cover plate also on the other side of the larger terminal block.



Commoning terminal blocks of different sizes – step down.
Push down the step-down jumper until fully inserted.



Note: Jumpers are marked with suitable terminal block sizes for correct installation.

Step-down jumpers may common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

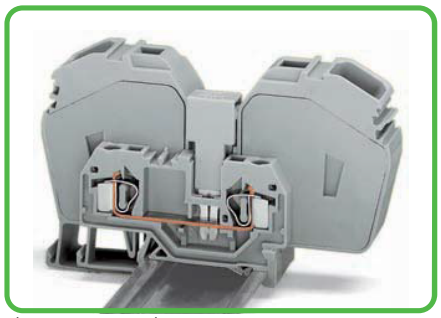
Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers. Commoning may be made in either direction using the special thin end plate to cover the open side. Further terminal blocks of the smaller cross section may be commoned using standard adjacent jumpers.

In this case, pay attention that:
1. The total current flowing does not exceed the rating of the step-down jumper.
2. The standard or special thin cover plate is installed on the open side of the larger block.

Step-down jumper commoning from 10/6 mm² (AWG 8/10) to with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks.
I_N 15 A **284-414**

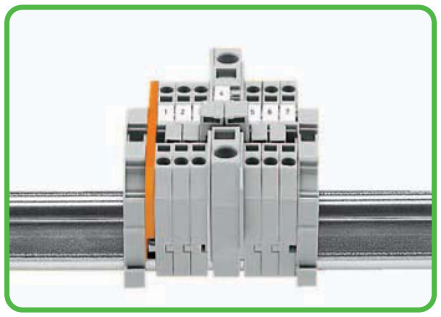
Step-down jumper commoning from 10/6 mm² (AWG 8/10) to 6/4 mm² (AWG 10/12) terminal blocks.
I_N 30 A **284-413**

Step-down jumper commoning from 16 mm² (AWG 6) to 4 mm² (AWG 12) terminal blocks.
I_N 32 A **283-414**



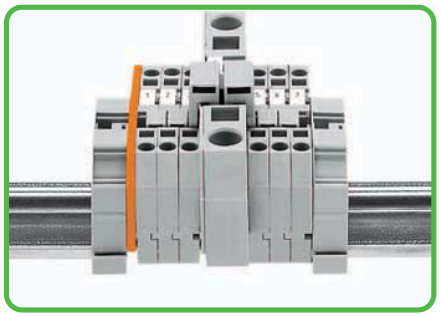
The **283-414** step-down jumper can even common 35 mm² (AWG 2) **285-635** through terminal blocks with 4 mm² (AWG 12) **281-901** through terminal blocks.
For 35 mm²/AWG 12 through terminal blocks, see page 176.

Examples of Assembly

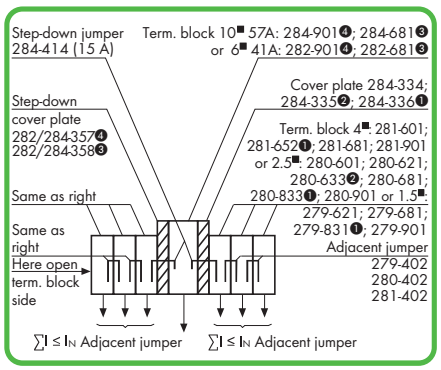


Commoning from 6 mm²/AWG 10 (282 Series) to 1.5 mm²/AWG 16 (279 Series) rail-mount terminal blocks.

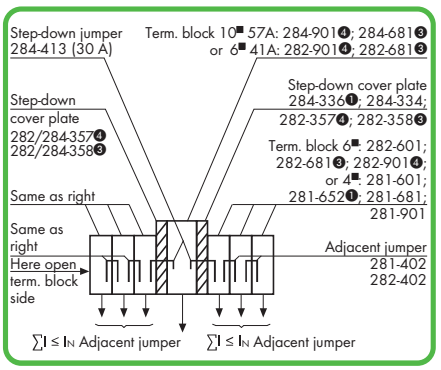
Commoning from 10 mm²/AWG 8 (284 Series) to 6 mm²/AWG 10 (282 Series) rail-mount terminal blocks.



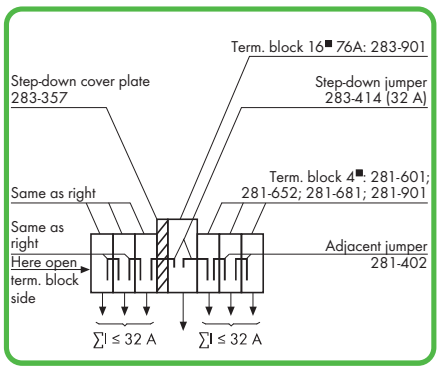
Commoning from 16 mm²/AWG 6 (283 Series) to 4 mm²/AWG 12 (281 Series) rail-mount terminal blocks.



Example of assembly: "Commoning from 10/6 mm² (AWG 8/10) to 4/2.5/1.5 mm² (AWG 12/14/16) rail-mount terminal blocks with 284-414 step-down jumper."



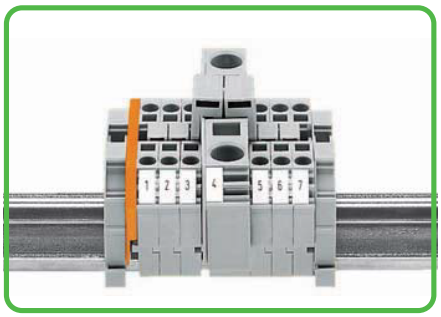
Example of assembly: "Commoning from 10/6 mm² (AWG 8/10) to 6 mm² (AWG 10) rail-mount terminal blocks with 284-413 step-down jumper."



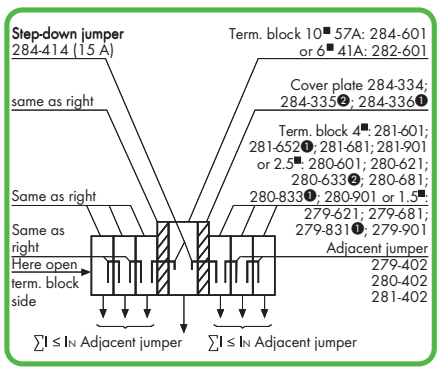
Example of assembly: "Commoning from 16 mm² (AWG 6) to 4 mm² (AWG 12) rail-mount terminal blocks with 284-414 step-down jumper."

Commoning from 6 mm²/AWG 10 (282 Series) to 1.5 mm²/AWG 16 (279 Series) rail-mount terminal blocks.

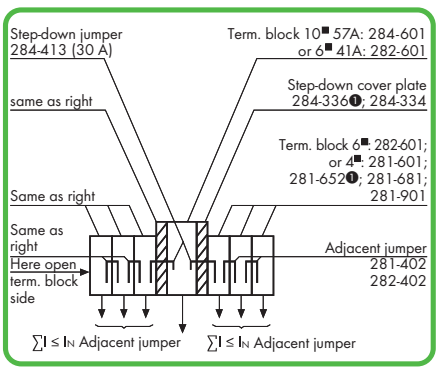
Commoning from 10 mm²/AWG 8 (284 Series) to 6 mm²/AWG 10 (282 Series) rail-mount terminal blocks.



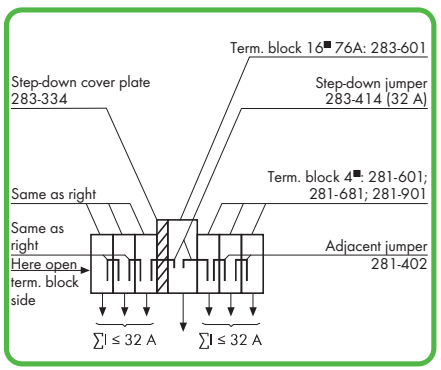
Commoning from 16 mm²/AWG 6 (283 Series) to 4 mm²/AWG 12 (281 Series) rail-mount terminal blocks.



Example of assembly: "Commoning from 10/6 mm² (AWG 8/10) to 4/2.5/1.5 mm² (AWG 12/14/16) rail-mount terminal blocks with 284-414 step-down jumper."



Example of assembly: "Commoning from 10/6 mm² (AWG 8/10) to 6 mm² (AWG 10) rail-mount terminal blocks with 284-413 step-down jumper."



Example of assembly: "Commoning from 16 mm² (AWG 6) to 4 mm² (AWG 12) rail-mount terminal blocks with 284-414 step-down jumper."

Accessories
Double-Deck Terminal Blocks

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

❶ 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❷ Strip length, see packaging or instructions.

❸ Suitable for Ex i applications

❹ 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			
	orange	**279-519**	100 (4x25)
	gray	**279-518**	100 (4x25)
Insulation stop,			
❹ 	5 pcs/strip,		
	0.08 - 0.2 mm² "s" (0.14 mm² "f-st")		
	white	**279-470**	200 (8x25)
Insulation stop,			
❹ 	5 pcs/strip,		
	0.25 mm²		
	dark gray	**279-471**	200 (8x25)
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,			
❹ 	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
WMB Multi marking system, plain,			
	10 strips with 10 markers per card,		
	stretchable 4 - 4.2 mm		
	yellow	**793-4501/000-002**	
	red	**793-4501/000-005**	
	blue	**793-4501/000-006**	
	gray	**793-4501/000-007**	
	orange	**793-4501/000-012**	
	light green	**793-4501/000-017**	
	green	**793-4501/000-023**	
	violet	**793-4501/000-024**	
			5