Double Deck Terminal Blocks
Series 279 and 280

0.08 – 1.5 mm² / 500 V/6 kV/3 / I_N 18 A	AWG 28 – 16

Terminal block width 4 mm / 0.157 in
8 – 9 mm / 0.33 in
❶ Approvals

Color	Item No.	PU
Through/through terminal block, colored conductor entry position		
gray	**279-501**	50
gray (N/L)	**279-512**	50
gray (L/N)	**279-513**	50
blue (N/N)	**279-504**	50
4-conductor through terminal block, internal commoning, conductor entry position colored in violet		
blue	**279-509** ②	50
gray	**279-508**	50
Ground (earth) conductor/through terminal block, colored conductor entry position		
gray (PE/N)	**279-517**	50
gray (PE/L)	**279-527**	50
4-conductor (ground) earth terminal block, internal commoning		
green-yellow	**279-507**	50
End and intermediate plate, 2 mm/0.079 in thick		
orange	**279-519** 100 (4 x 25)	
gray	**279-518** 100 (4 x 25)	

Accessories, Series 279

Appropriate marking systems: **WMB/WSB**

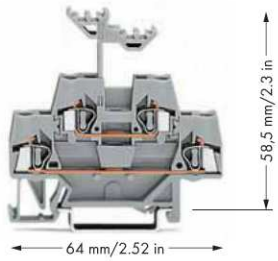
WSB double marker carrier

279-529 50 (2 x 25)

For additional accessories, see page 51.

0.08 – 2.5 mm² / 500 V/6 kV/3 / I_N 20 A	AWG 28 – 12* / 300 V, 15 A / 300/600 V, 20/5 A

Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in
❶ Approvals



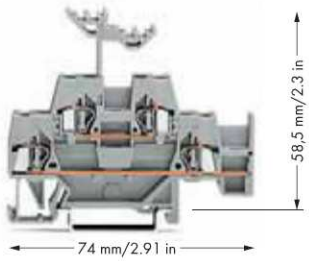
Color	Item No.	PU
Through/through terminal block		
gray	**280-519**	50
blue	**280-529** ②	50
blue/gray	**280-523**	50
gray/blue	**280-533**	50
Ground (earth) conductor/through terminal block		
green-yellow/gray	**280-527**	50
green-yellow/blue	**280-537**	50
4-conductor (ground) earth terminal block, internal commoning		
green-yellow	**280-517**	50
Other terminal blocks with the same profile:		
Diode and LED term. blocks	**280-9xx/281-. . .**	
Through and disconn. term. blocks	**280-521**	
Fuse term. blocks	**280-5xx**	Volume 1
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-341** 100 (4 x 25)	
gray	**280-340** 100 (4 x 25)	

Accessories, Series 280

② Suitable for Ex i applications

0.08 – 2.5 mm² / 500 V/6 kV/3 / I_N 20 A	AWG 28 – 12* / 300 V, 15 A / 300/600 V, 20/5 A

Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in
❶ Approvals



Color	Item No.	PU
Through/through terminal block with horizontal jumpering on lower level		
gray	**280-520**	50
blue	**280-530** ②	50
blue/gray	**280-524**	50
gray/blue	**280-534**	50
Other terminal blocks with the same profile:		
Through and disconnect term. blocks	**280-522**	
Fuse term. blocks	**280-5xx**	Volume 1
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-343** 100 (4 x 25)	
gray	**280-342** 100 (4 x 25)	

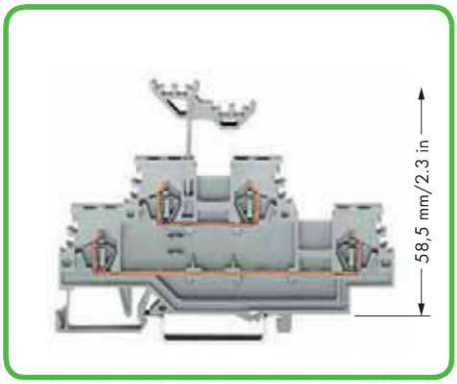
Appropriate marking systems: **WMB/WSB**

Vertical jumper, insulated, I_N 24 A

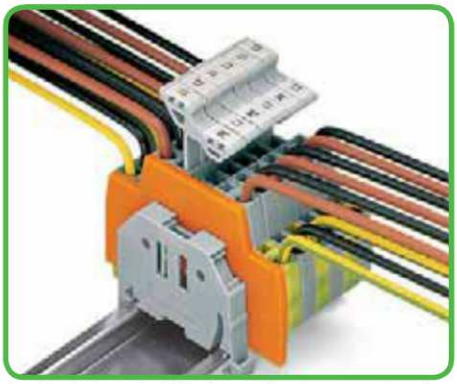
gray **281-421** 200 (8 x 25)

For additional accessories, see page 52.

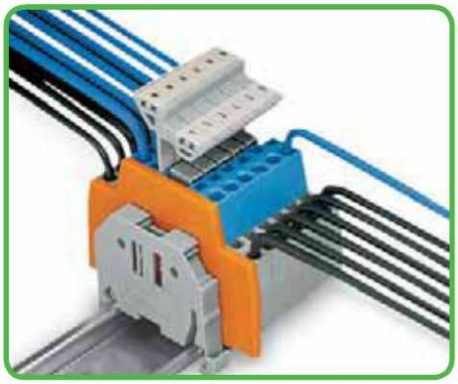
Application notes



279 Series Double Deck Terminal Block with WSB double marker carrier.



Double deck terminal blocks used for the connection of a three-phase motor.



Double deck terminal blocks used as control wire terminals; e.g., magnetic valves. Upper deck commoned.

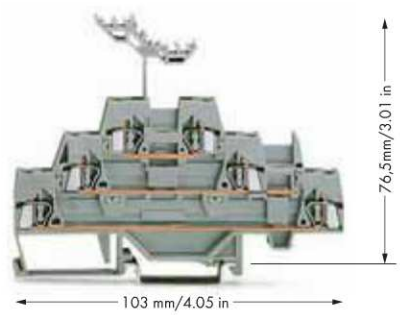
❶ Approvals are available online at: www.wago.com.
*AWG 12: THHN, THWN

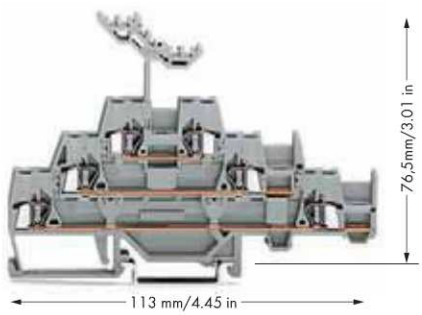
For technical explanations and abbreviations, see technical section.

Triple Deck Terminal Blocks
Series 280

0.08 – 2.5 mm² / 500 V/6 kV/3 / I_N 20 A	AWG 28 – 12* / 300/600 V, 15/5 A / 300/600 V, 20/5 A	Terminal block width 5 mm / 0.197 in	8 – 9 mm / 0.33 in	❶ Approvals

0.08 – 2.5 mm² / 500 V/6 kV/3 / I_N 20 A	AWG 28 – 12* / 300/600 V, 15/5 A / 300/600 V, 20/5 A	Terminal block width 5 mm / 0.197 in	8 – 9 mm / 0.33 in	❶ Approvals





Color	Item No.	PU
Through/through/through terminal block		
gray	**280-549**	40
blue	**280-551** ❶	40
gray/gray/blue	**280-552**	40
Ground (earth)/through/through terminal block		
green-yellow/blue/gray	**280-547**	40
green-yellow/gray/gray	**280-557**	40
6-conductor (ground) earth terminal block, internal commoning		
green-yellow	**280-597**	40
Other terminal blocks with the same profile:		
Fuse term. blocks	**280-5xx**	Volume 1
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-304**	50 (2 x 25)
gray	**280-303**	50 (2 x 25)
Intermediate plate, 1.1 mm/0.043 in thick		
orange	**280-336**	100 (4 x 25)

Color	Item No.	PU
Through/through/through terminal block with horizontal jumpering on lower level		
gray	**280-550**	40
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-306**	100 (4 x 25)
gray	**280-305**	100 (4 x 25)
Intermediate plate, 1.1 mm/0.043 in thick		
orange	**280-339**	100 (4 x 25)

Accessories, Series 280

Appropriate marking systems: **WMB/WSB**

Vertical jumper, insulated, I_N 24 A

gray **281-421** 200 (8 x 25)

For additional accessories, see page 52.

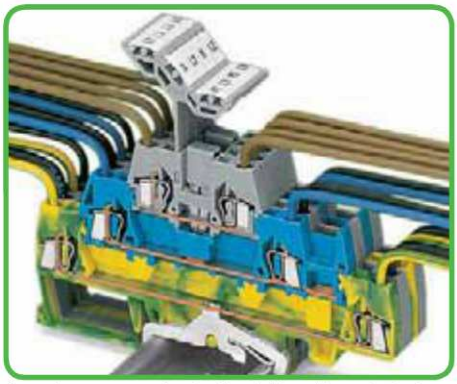
❶ Suitable for Ex i applications

Operating tool, with partially insulated shaft,

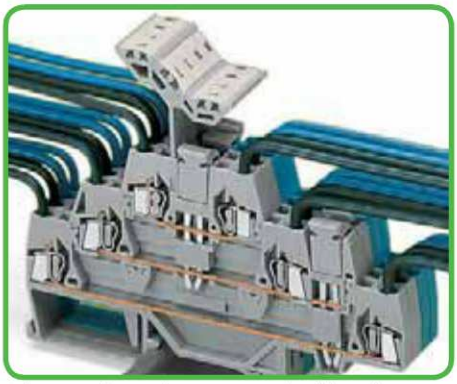
(3.5 x 0.5) mm/(0.137 x 0.020) in

210-720 1

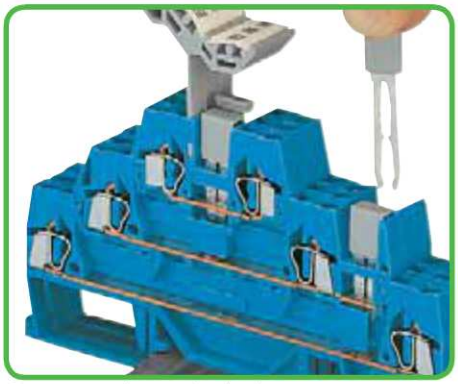
Application notes



3-conductor power circuit with additional branch circuit tapping.



Adjacent and vertical jumpers provide additional connection points.



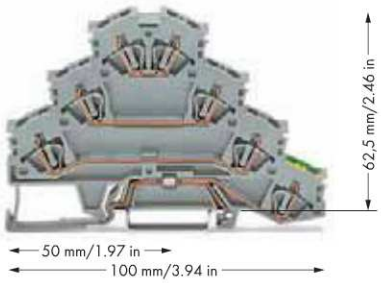
Commoning with vertical and adjacent jumpers.

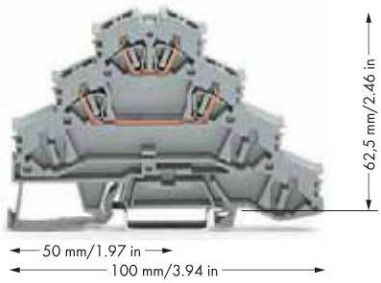
❶ Approvals are available online at: www.wago.com.
*AWG 12: THHN, THWN

For technical explanations and abbreviations, see technical section.

Rail-Mounted Quadruple Deck Terminal Blocks for Wiring of Electric Motors Series 281

0.08 – 4 mm² 400 V/6 kV/3 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 ❶ Approvals	AWG 28 – 12 300 V, 20 A	0.08 – 4 mm² 400 V/6 kV/3 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 ❶ Approvals	AWG 28 – 12	Application notes





Commoning

	Item No.	PU
Rail-mounted terminal block for wiring of electric motors, gray		
L1-L2-L3-PE	**281-530**	50
End and intermediate plate, 1 mm/0.039 in thick		
orange	**281-366**	100 (4 x 25)
gray	**281-365**	100 (4 x 25)

	Item No.	PU
Rail-mounted terminal block for wiring of electric motors, gray		
L1-L2	**281-531**	50
L1-L2-L3	**281-532**	50
End and intermediate plate, 1 mm/0.039 in thick		
orange	**281-366**	100 (4 x 25)
gray	**281-365**	100 (4 x 25)

Accessories, Series 281

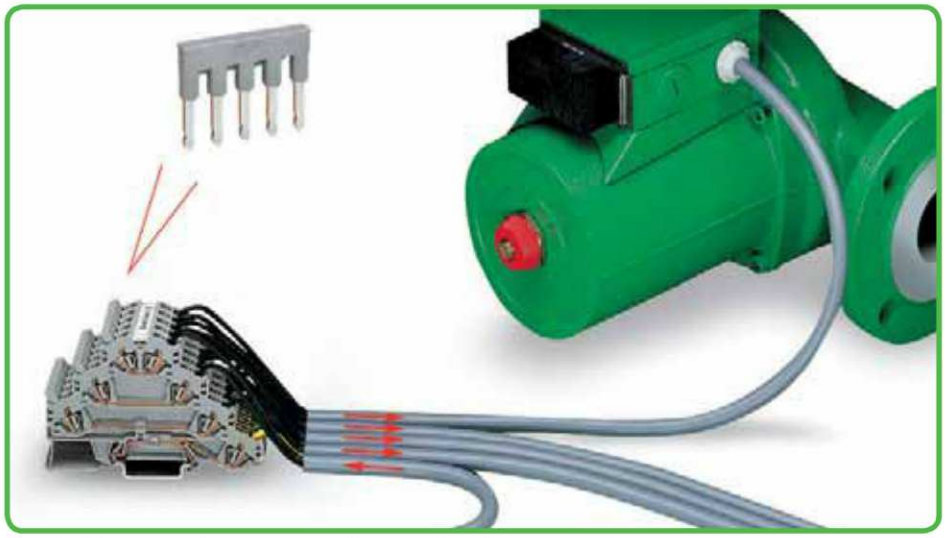
Appropriate marking systems: **WSB/WFB/WMB**

			PU
Comb-style jumper bar, insulated, I_N = I_N of term. block			
2-way	**281-482**		100 (4 x 25)
3-way	**281-483**		100 (4 x 25)
5-way	**281-485**		100 (4 x 25)
Operating tool, insulated			
2-way	**280-432**		1
3-way	**280-433**		1
5-way	**281-440**		1
Operating tool, with partially insulated shaft			
(3.5 x 0.5) mm/(0.137 x 0.020) in	**210-720**		1
Screwless end stop, 6 mm/0.236 in wide			
	249-116		100 (4 x 25)
10 mm/0.394 in wide			
	249-117		50 (2 x 25)

			PU
Insulation stop,			
5 pieces/strip			
200 strips			
white	**281-470**	0.08 mm² - 0.2 mm²/AWG 28 - 24	
light gray	**281-471**	0.25 mm² - 0.5 mm²/AWG 12 – 20	
dark gray	**281-472**	0.75 mm² - 1.5 mm²/AWG 18 - 16	
Test plug, with cable 500 mm/1'7.7''			
Ø 2 mm/0.079 in	**210-136**		
Ø 2.3 mm/0.091 in	**210-137**		
			PU 50 (5 x10)
Marker strips, transparent, 7.5 mm/0.295 in wide,			
for central marking,			
- group marking - plain,			
on roll	50 m	**709-177**	1
	300 m	**709-187**	1

Compact design: 3 phases and ground (earth) conductor in one terminal block.

Testing with test plug Ø 2 mm/0.079 in.



Marking clamping units with WMB Multi marking system or WSB Quick marking system (see Section 6). Group marking with 709-177 Marker Strips.

Fused Disconnect Terminal Blocks, Pluggable Fuse Modules, Disconnect Terminal Blocks for Test and Measurement, Series 280 to 282

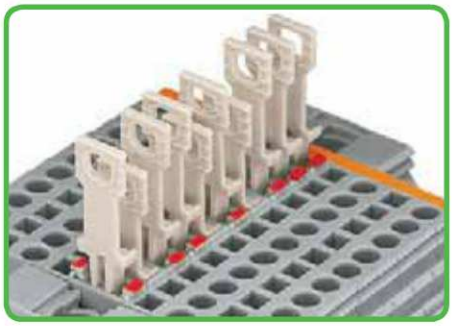
Fused disconnect terminal blocks

Blown fuse indication by LED or neon lamp.

Commoning

Distribution of current to several fuse-protected circuits by using insulated touchproof jumpers.

Disconnect terminal blocks with disconnect tab



Disconnecting by pulling the disconnecting tab (red = diconnected).

Exchange of fuse 1

Before exchanging the fuse, pivot the fuse holder in the locked open position.

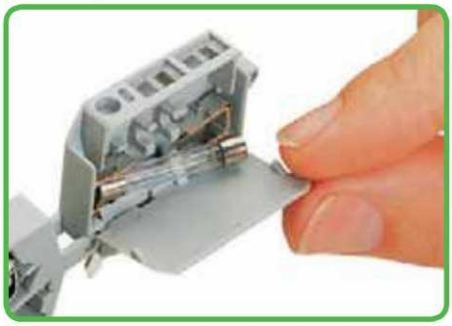
Testing

Voltage test, either at input or output with fuse holder in closed position (live).

Commoning

Commoning using comb-style jumper bars.

Exchange of fuse 2



One end of the fuse is automatically ejected from the holder when opening the cover.

Testing

Voltage testing at input with 280-404 Test Plug Adapter (shown) or 281-407 Test Plug.

Disconnect lock

As soon as the disconnecting tab is in the disconnect position, it can be protected against unintentional reconnection by using the disconnect lock.

More fused terminal blocks

Pluggable fuse modules

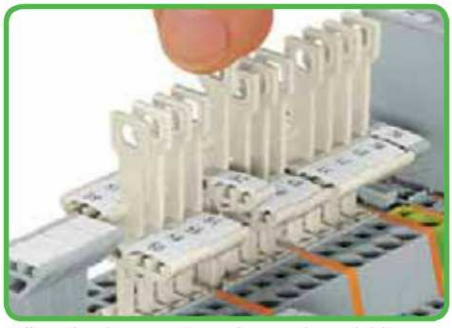
Pluggable fuse module with blown fuse indication on a 3-conductor carrier terminal block.

Fuse terminal blocks for mini-automative fuses

Fuse terminal blocks for mini-automotive blade-style fuses.

More disconnect terminal blocks

Double deck terminal blocks



Pulling the disconnecting tab on a through/disconnect terminal block.

CAGE CLAMP® clamps the following copper conductors:

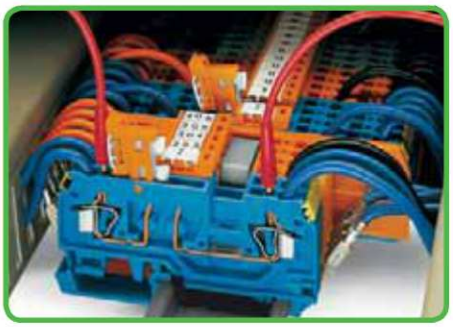
solid

Strip length, see packaging or instructions.

stranded

fine-stranded, also with tinned single strands

Disconnect terminal blocks with knife disconnect



Disconnecting by knife disconnect.
Test slot:
for test plug Ø 2 mm/0.079 in or Ø 2.3 mm/0.091 in - direct contact to the current bar.

Longitudinal switching disconnect terminal blocks

Disconnecting by disconnect link.
Test slots Ø 4 mm/0.157 in are integrated.

Disconnect terminal blocks for test and measurement

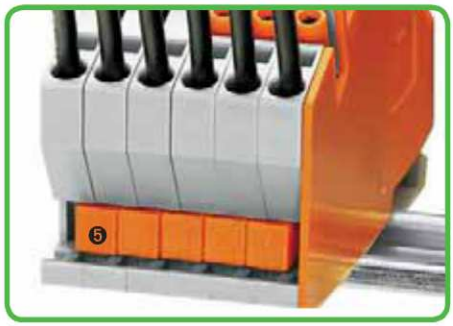
e.g., for current or voltage transformer circuits.

Staggered jumpers

Staggered jumpers for sophisticated circuit requirements.
Push jumpers down firmly until fully inserted!

Commoning

Longitudinal disconnect terminal block with jumper ❶ in locking and ❷ pre-locking position.

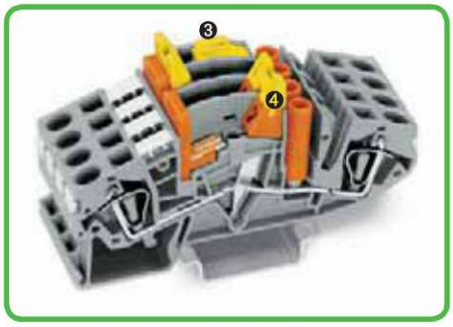


Terminal strip for current transformer circuits with short circuit jumpers ❺.

Power distribution

Power distribution using knife disconnect in supply line, disconnecting all outputs.

Transverse switching terminal blocks

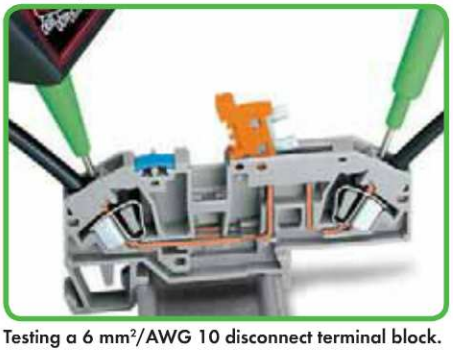


For current transformer circuits with
❸ lock-out and
❹ coupling device.

Locking cover and lock-out seal

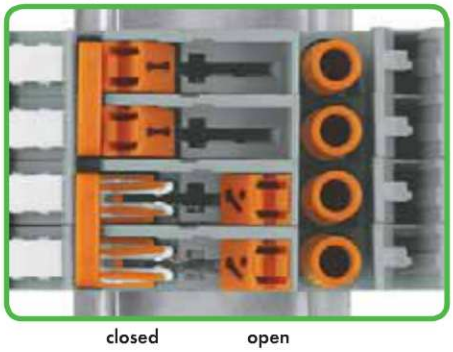
❻ Transparent locking cover for 1- 4 disconnect links can be snapped on for mechanical interlocking for multipole switching.
❼ A lock-out seal can be used on the disconnect link in notched position "I".

Disconnect terminal block 6 mm²/AWG 10

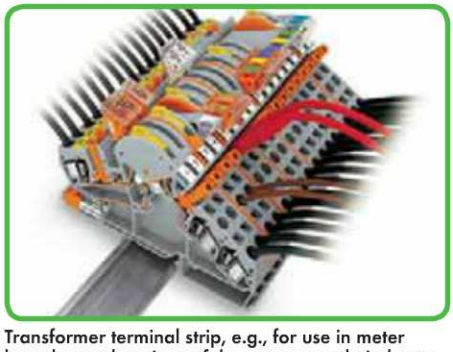


Testing a 6 mm²/AWG 10 disconnect terminal block.

Switch positions



closed open



Transformer terminal strip, e.g., for use in meter boards or substations of the power supply industry.

fine-stranded, tip bonded

fine-stranded, with crimped ferrule ❽

fine-stranded, with crimped pin terminal

❽ When using ferrules, the max. conductor cross section which can be accommodated is one size smaller than max. rating of terminal block.