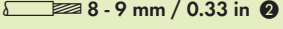
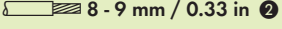
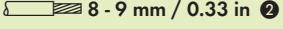
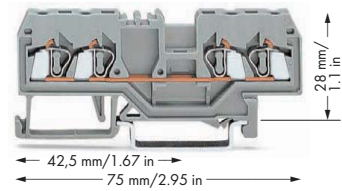
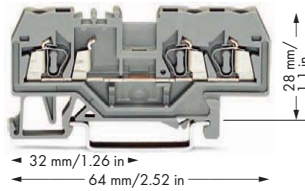
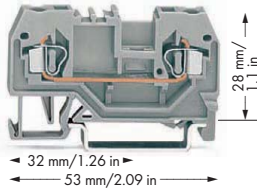


Through/Ground Conductor/Shield and Ex Terminal Blocks 2.5 mm² 280 Series

0.08 - 2.5 mm² 800 V/8 kV/3 ① I_N 24 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 600 V, 20 A ③ 600 V, 25 A ④	0.08 - 2.5 mm² 800 V/8 kV/3 ① I_N 24 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 600 V, 20 A ③ 600 V, 15 A ④	0.08 - 2.5 mm² 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 * 600 V, 20 A ③ 600 V, 15 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 280-901 ①	100	gray 280-681 ①	100	gray 280-833 ①	100
blue 280-904 ③	100	blue 280-684 ③	100	blue 280-834 ③	100
orange 280-902 ②	100	orange 280-650 ②	100	orange 280-835 ②	100
red 280-903 ④	100	red 280-653 ④	100	red 280-830 ④	100
black 280-905 ⑤	100	black 280-671 ⑤	100	black 280-831 ⑤	100
yellow 280-906 ⑥	100	yellow 280-672 ⑥	100	yellow 280-832 ⑥	100
light gray ④	100	light gray ④	100	light gray ④	100
2-conductor ground terminal block		3-conductor ground terminal block		4-conductor ground terminal block	
green-yellow 280-907 ⑦	100	green-yellow 280-687 ⑦	100	green-yellow 280-837 ⑦	100
green-yellow ④	100	green-yellow ④	100	green-yellow 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 214	Diode 280-673/281-410	Page 214	Diode 280-815/281-410	Page 214
Disconnect 280-912	Page 166	Disconnect 280-683	Page 166	LED 280-809/281-434	Page 214
Carrier 280-916	Page 190	Carrier 280-610	Page 190	Disconnect 280-836	Page 166
				Disc., test & meas. 280-829	Page 166
				Carrier 280-816	Page 190
				Double-potential 280-826	Page 123
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 (4x25)	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 540 and 542.

- * 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 154 - 156
Banana plugs, page 158
Insulation stop, page 159
Comb-style jumper bar, page 160
Operating tool, page 160
Staggered jumper, page 161
Push-in type wire jumper, page 161
Step-down jumper, pages 138 - 139

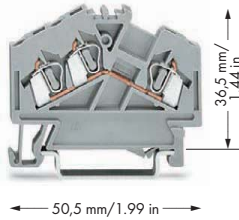
280 Series Accessories			Appropriate marking systems: WMB/WMB Inline/WFB (see Section 13)		
Insulation stop, <ul style="list-style-type: none"> ⑤ 5 pcs/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st") white 280-470 200 (8x25) 	Alternate comb-style jumper bar, <ul style="list-style-type: none"> insulated, 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, insulated <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, insulated <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 1 - 2 780-452 100 (4x25) 1 - 3 780-453 100 (4x25) 1 - 4 780-454 100 (4x25) 1 - 5 780-455 50 (2x25) 1 - 6 780-456 50 (2x25) 1 - 7 780-457 50 (2x25) 1 - 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/0.236 in 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 60 mm 249-125 10 110 mm 249-126 10 250 mm 249-127 10 	Test plug, <ul style="list-style-type: none"> with 500 mm/17.7 in cable, 2 mm Ø red 210-136 50 	Screwless end stop, <ul style="list-style-type: none"> for DIN 35 rail, 10 mm/0.394 in wide gray 249-117 50 (2x25) 			
	Test plug, <ul style="list-style-type: none"> with 500 mm/17.7 in 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 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) 				

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

CAGE CLAMP®

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0.08 - 2.5 mm ² 800 V/8 kV/3 ① I _N 24 A	AWG 28 - 12 * 600 V, 20 A ② 600 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)
Using staggered jumpers reduces the maximum rated voltage to 275 V.
- ⑤ See application notes for:
Test plug modules, pages 154 - 156
Banana plugs, page 158
Insulation stop, page 159
Comb-style jumper bar, page 160
Operating tool, page 160
Staggered jumper, page 161
Push-in type wire jumper, page 161

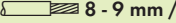
Item No.	Pack. Unit	280 Series Accessories	
Appropriate marking systems: WMB/WMB Inline/WFB (see Section 13)			
3-conductor through terminal block		Alternate jumper, insulated,	
gray 280-641 ③	100	I _N = I _N terminal block	Test plug,
blue 280-651 ③	100	gray 280-409 100 (4x25)	with 500 mm/17.7 in cable, 2 mm Ø
orange 280-654 ③	100		red 210-136 50
light gray ④	100		
3-conductor ground terminal block		Staggered jumper,	
green-yellow 280-637 ④	100	⑤ insulated,	Test plug,
green-yellow ④ 280-637/999-950 ④	100	width 5 mm/0.197 in, I _N 24 A	with 500 mm/17.7 in cable, 2.3 mm Ø
3-conductor shield terminal block		1 - 2 780-452 100 (4x25)	yellow 210-137 50
white 280-640 ④	100	1 - 3 780-453 100 (4x25)	
280 Series Accessories		1 - 4 780-454 100 (4x25)	Test plug adapter, 5 mm wide,
		1 - 5 780-455 50 (2x25)	for terminal blocks 1.5 - 4 mm ² , for 210-137 test plug 2.3 mm Ø
		1 - 6 780-456 50 (2x25)	gray 280-404 100 (4x25)
		1 - 7 780-457 50 (2x25)	Test plug adapter, 8 mm wide,
		1 - 8 780-458 50 (2x25)	for terminal blocks 1.5 - 10 mm ² , for test plug 4 mm Ø
End and intermediate plate, 2.5 mm thick		Push-in type wire jumper,	
orange 280-313 100 (4x25)		⑤ insulated,	Banana plug,
gray 280-312 100 (4x25)		I _N 9 A,	⑤ for socket 4 mm Ø, color mixed
light gray 280-354 100 (4x25)		wire size 0.75 mm ²	215-111 50
Separator, oversized, 2.5 mm thick		60 mm 249-125 10	Test plug adapter, 6 mm wide,
orange 280-318 100 (4x25)		110 mm 249-126 10	with CAGE CLAMP®, for 0.08 - 2.5 mm ²
gray 280-348 100 (4x25)		250 mm 249-127 10	I _N 24 A 281-407 100 (4x25)
light gray 280-355 100 (4x25)			
Ex e/Ex i separator, orange,		Comb-style jumper bar, insulated,	
3 mm thick		⑤ I _N = I _N terminal block	WMB Multi marking system,
120 mm 209-191 50 (2x25)		2-way 280-482 200 (8x25)	10 strips with 10 markers per card, stretchable 5 - 5.2 mm
Spacer of same shape,		3-way 280-483 200 (8x25)	plain 793-5501 5
5 mm thick			
orange 280-654/056-000 100 (4x25)		Alternate comb-style jumper bar,	
Insulation stop,		insulated,	WMB Multi marking system, plain,
⑤ 5 pcs/strip,		I _N = I _N terminal block	10 strips with 10 markers per card, stretchable 5 - 5.2 mm
0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st")		2-way 280-492 200 (8x25)	yellow 793-5501/000-002
white 280-470 200 (8x25)		3-way 280-432 1	red 793-5501/000-005
Insulation stop,		3-way 280-433 1	blue 793-5501/000-006
⑤ 5 pcs/strip,		Operating tool, insulated	
0.25 - 0.5 mm ²			
light gray 280-471 200 (8x25)			
Insulation stop,		Protective warning marker,	
⑤ 5 pcs/strip,		with high-voltage symbol, black,	
0.75 - 1 mm ²		for 5 terminal blocks	
dark gray 280-472 200 (8x25)		yellow 280-415 100 (4x25)	
Adjacent jumper, insulated,		Test plug module,	
I _N = I _N terminal block		⑤ can be snapped together,	Screwless end stop,
gray 280-402 200 (8x25)		5 mm wide	for DIN 35 rail, 6 mm/0.236 in wide
		gray 280-418 100 (4x25)	gray 249-116 100 (4x25)
		Spacer module,	
		can be snapped together,	Screwless end stop,
		5 mm wide	for DIN 35 rail, 10 mm/0.394 in wide
		gray 280-419 100 (4x25)	gray 249-117 50 (2x25)

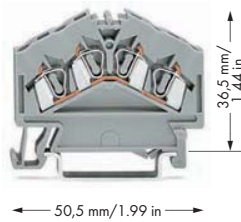
Through and Terminal Blocks 2.5 mm² 280 Series

CAGE CLAMP®

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






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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 154
Insulation stop, page 159
Comb-style jumper bar, page 160
Operating tool, page 160

3

Item No.	Pack. Unit	280 Series Accessories
4-conductor through terminal block		Appropriate marking systems (see Section 13)
gray	280-646 ① 100	Alternate comb-style jumper bar, insulated, I _N = I _N terminal block
blue	280-656 ③ 100	
orange	280-946 ② 100	
light gray 	280-996 ④ 100	
Notice: These terminal blocks cannot be commoned using adjacent jumpers		Operating tool, insulated
280 Series Accessories		2-way 280-492 200 (8x25)
End and intermediate plate, 2.5 mm thick		2-way 280-432 1
 orange	280-313 100 (4x25)	3-way 280-433 1
 gray	280-312 100 (4x25)	Operating tool, insulated
 light gray	280-354 100 (4x25)	10-way 280-440 1
Separator, oversized, 2.5 mm thick		Protective warning marker,
 orange	280-318 100 (4x25)	with high-voltage symbol, black, for 5 terminal blocks
 gray	280-348 100 (4x25)	yellow 280-415 100 (4x25)
 light gray	280-355 100 (4x25)	Test plug module,
Ex e/Ex i separator, orange,		can be snapped together, 5 mm wide
3 mm thick		gray 249-141 100 (4x25)
120 mm	209-191 50 (2x25)	WMB Inline, plain,
Spacer of same shape,		stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll
5 mm thick		white 2009-115 1
orange	280-654/056-000 100 (4x25)	WMB Multi marking system,
Insulation stop,		10 strips with 10 markers per card, stretchable 5 - 5.2 mm
⑤  5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st")		plain 793-5501 5
white	280-470 200 (8x25)	10 strips with 10 markers per card, 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)	Screwless end stop,
3-way	280-483 200 (8x25)	for DIN 35 rail, 6 mm/0.236 in wide
Comb-style jumper bar, insulated,		gray 249-116 100 (4x25)
⑤  I _N = I _N terminal block		Screwless end stop,
10-way	280-490 50 (2x25)	for DIN 35 rail, 10 mm/0.394 in 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. WAGO front-entry shield terminal blocks are suitable for connecting braided cables. Like WAGO front-entry ground conductor terminal blocks, they are equipped with a grounding foot for direct electrical connection to the rail, however they differ significantly by their white insulated housing. WAGO front-entry shield terminal blocks can be directly mounted beside signal-conductor terminal blocks, providing excellent deflection of interfering signals.