
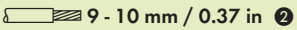




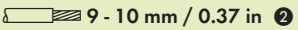




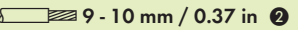



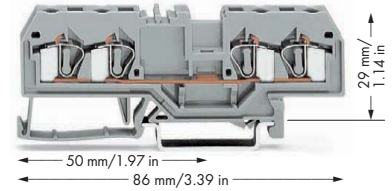
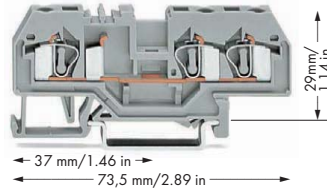
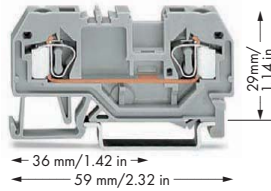







































Through/Ground Conductor/Shield and Terminal Blocks 4 mm² 281 Series

0.08 - 4 mm² 800 V/8 kV/3  I _N 32 A Terminal block width 6 mm / 0.236 in  9 - 10 mm / 0.37 in 	AWG 28 - 12 600 V, 20 A  600 V, 25 A 	0.08 - 4 mm² 800 V/8 kV/3  I _N 32 A Terminal block width 6 mm / 0.236 in  9 - 10 mm / 0.37 in 	AWG 28 - 12 600 V, 20 A  600 V, 25 A 	0.08 - 4 mm² 800 V/8 kV/3  I _N 26 A Terminal block width 6 mm / 0.236 in  9 - 10 mm / 0.37 in 	AWG 28 - 12 600 V, 20 A  600 V, 25 A 
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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  	50	blue 281-684  	50	blue 281-654  	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  	50	light gray 281-993  	50	light gray  	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  	50	green-yellow  	50	green-yellow  	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 216	Diode 281-673/281-410	Page 216	Diode 281-665/281-410	Page 216
Disconnect 281-912	Page 168	Disconnect 281-683	Page 168	Disconnect 281-659	Page 168
Carrier 281-916	Page 188	Carrier 281-610	Page 188	Disc., test & meas. 281-666	Page 168
				Carrier 281-656	Page 188
4-conductor shield terminal block					
				white 281-658 	50

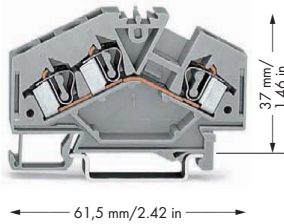
Item-Specific Accessories	Item-Specific Accessories	Item-Specific Accessories
End and intermediate plate, 2.5 mm thick	End and intermediate plate, 2.5 mm thick	End and intermediate plate, 2.5 mm thick
orange 281-329 100 (4x25)	orange 281-326 100 (4x25)	orange 281-335 100 (4x25)
gray 281-328 100 (4x25)	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,	Insulation stop,	Insulation stop,
 5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "F-st") white 281-470 200 (8x25)	 5 pcs/strip, 0.25 - 0.5 mm ² light gray 281-471 200 (8x25)	 5 pcs/strip, 0.25 - 1.5 mm ² dark gray 281-472 200 (8x25)

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 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

3

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	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	100	gray 281-409 100 (4x25)	gray 284-334 100
		Push-in type wire jumper,	orange 284-344 100
		⑤ insulated,	Test plug module,
		I _N 9 A,	⑤ can be snapped together,
		wire size 0.75 mm ²	6 mm wide
		60 mm 249-125 10	gray 281-418 100 (4x25)
		110 mm 249-126 10	Spacer module,
		250 mm 249-127 10	can be snapped together,
			6 mm wide
		Staggered jumper,	gray 281-419 100 (4x25)
		⑤ insulated,	Test plug,
		width 6 mm/0.236 in,	with 500 mm/17.7 in cable,
		I _N 32 A	2 mm Ø
		1 - 2 781-452 100 (4x25)	red 210-136 50
		1 - 3 781-453 100 (4x25)	Test plug,
		1 - 4 781-454 100 (4x25)	with 500 mm/17.7 in cable,
		1 - 5 781-455 50 (2x25)	2.3 mm Ø
		1 - 6 781-456 50 (2x25)	yellow 210-137 50
Item-Specific Accessories		Comb-style jumper bar, insulated,	Test plug adapter, 5 mm wide,
End and intermediate plate, 2.5 mm thick		I _N = I _N terminal block	for terminal blocks 1.5 - 4 mm ² ,
 orange 281-313	100 (4x25)	2-way 281-482 100 (4x25)	for 210-137 test plug 2.3 mm Ø
gray 281-312	100 (4x25)	3-way 281-483 100 (4x25)	gray 280-404 100 (4x25)
light gray 281-357	100 (4x25)	5-way 281-485 100 (4x25)	
Separator, oversized, 2 mm thick		10-way 281-490 50 (2x25)	Test plug adapter, 8 mm wide,
 gray 281-318	100 (4x25)		for terminal blocks 1.5 - 10 mm ² ,
gray 281-348	100 (4x25)		for test plug 4 mm Ø
light gray 281-358	100 (4x25)		gray 209-170 50 (2x25)
Ex e/Ex i separator, orange,		Alternate comb-style jumper bar,	Banana plug,
3 mm thick		insulated,	⑤ for socket 4 mm Ø,
120 mm 209-191	50 (2x25)	I _N = I _N terminal block	color mixed
		2-way 281-492 100 (4x25)	215-111 50
		Operating tool, insulated	Test plug adapter, 6 mm wide,
		2-way 280-432 1	with CAGE CLAMP®,
		3-way 280-433 1	for 0.08 - 2.5 mm ²
		5-way 281-440 1	I _N 24 A 281-407 100 (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)	6 mm/0.236 in wide
yellow 281-415 100 (4x25)			gray 249-116 100 (4x25)
			Screwless end stop,
			for DIN 35 rail,
			10 mm/0.394 in wide
			gray 249-117 50 (2x25)