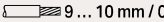
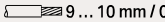


Through/Ground Conductor/Shield Conductor and Ex Terminal Block 4 mm²; 281 Series

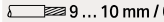
Technical Data

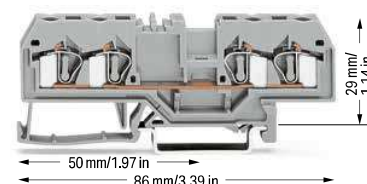
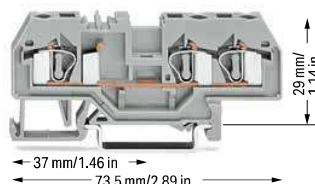
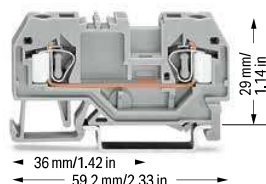
0.08 ... 4 mm ²	28 ... 12 AWG
800 V/8 kV/3 ①	600 V, 20 A ②
I _N 32 A	600 V, 25 A ③
Terminal block width: 6 mm / 0.236 inch	
 9 ... 10 mm / 0.35 ... 0.39 inch	

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
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 inch	
 9 ... 10 mm / 0.35 ... 0.39 inch	

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
800 V/8 kV/3 ①	600 V, 20 A ②
I _N 26 A	600 V, 25 A ③
Terminal block width: 6 mm / 0.236 inch	
 9 ... 10 mm / 0.35 ... 0.39 inch	



2-conductor through terminal block

Color	Item No.	Pack, Unit
gray	281-901	50
blue	281-904 ②	50
orange	281-902	50
red	281-903	50
black	281-905	50
yellow	281-906	50
light gray ⑤	281-992 ③	50

3-conductor through terminal block

Color	Item No.	Pack, Unit
gray	281-681	50
blue	281-684 ②	50
orange	281-678	50
red	281-679	50
black	281-685	50
yellow	281-686	50
light gray ⑤	281-993 ③	50

4-conductor through terminal block

Color	Item No.	Pack, Unit
gray	281-652	50
blue	281-654 ②	50
orange	281-653	50
red	281-663	50
black	281-664	50
yellow	281-668	50
light gray ⑤	281-994 ③	50

2-conductor ground terminal block

green-yellow	281-907	50
green-yellow ⑤	281-907/999-950 ③	50

3-conductor ground terminal block

green-yellow	281-687	50
green-yellow ⑤	281-687/999-950 ③	50

4-conductor ground terminal block

green-yellow	281-657	50
green-yellow ⑤	281-657/999-950 ③	50

4-conductor shield terminal block

white	281-658	50
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Other terminal blocks with the same profile:

Diode	281-915/281-410	Page 332
Disconnect	281-912	Page 280
Carrier	281-916	Page 248

Other terminal blocks with the same profile:

Diode	281-673/281-410	Page 332
Disconnect	281-683	Page 280
Carrier	281-610	Page 248

Other terminal blocks with the same profile:

Diode	281-665/281-410	Page 332
Disconnect	281-659	Page 280
Disc./test	281-666	Page 280
Carrier	281-656	Page 302

Accessories; item-specific

End and intermediate plate; 2.5 mm thick

orange	281-329	100 (25)
gray	281-328	100 (25)
light gray	281-349	100 (25)

Separator; oversized; 2 mm thick

orange	281-331	100 (25)
gray	281-330	100 (25)
light gray	281-350	100 (25)

Ex e/Ex i separator; orange; 3 mm thick

90 mm	209-190	50 (25)
120 mm	209-191	50 (25)

Accessories; item-specific

End and intermediate plate; 2.5 mm thick

orange	281-326	100 (25)
gray	281-324	100 (25)
light gray	281-355	100 (25)

Separator; oversized; 2 mm thick

orange	281-346	100 (25)
gray	281-344	100 (25)
light gray	281-356	100 (25)

Ex e/Ex i separator; orange; 3 mm thick

120 mm	209-191	50 (25)
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Accessories; item-specific

End and intermediate plate; 2.5 mm thick

orange	281-335	100 (25)
gray	281-334	100 (25)
light gray	281-345	100 (25)

Separator; oversized; 2 mm thick

orange	281-339	100 (25)
gray	281-338	100 (25)
light gray	281-347	100 (25)

Ex e/Ex i separator; orange; 3 mm thick

120 mm	209-191	50 (25)
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Step-down cover plate; 1 mm thick

gray	284-336	100 (25)
orange	284-346	100 (25)

Accessories; 281 Series

Appropriate marking systems: WMB/WMB Inline/WFB

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	281-470	200 (25)
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Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	281-471	200 (25)
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Insulation stop; 0.75 ... 1.5 mm²; 5 pcs/strip

dark gray	281-472	200 (25)
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Technical Data

0.08 ... 4 mm² 28 ... 12 AWG800 V/8 kV/3 ① 600 V, 20 A^{II}I_N 32 A 600 V, 25 A^{II}

Terminal block width: 6 mm / 0.236 inch

9 ... 10 mm / 0.35 ... 0.39 inch



61,5 mm/2.42 in

37 mm/
1.46 in

3-conductor through terminal block

Color	Item No.	Pack, Unit
gray	281-631	100
blue	281-651 ②	100
light gray ③	281-998 ③	100

3-conductor ground terminal block

green-yellow	281-637	100
green-yellow ③	281-637/999-950 ③	100

Accessories; item-specific

End and intermediate plate; 2.5 mm thick

orange	281-313	100 (25)
gray	281-312	100 (25)
light gray	281-357	100 (25)

Separator; oversized; 2 mm thick

orange	281-318	100 (25)
gray	281-348	100 (25)
light gray	281-358	100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow	281-415	100 (25)
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- ① 800 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 14)

- ② Terminal blocks with a blue insulated housing are suitable for Ex i applications.

- ③ Terminal blocks with an Ex mark are suitable for Ex e II applications.
0.2 ... 4 mm² / 24 ... 12 AWG
550 V; 30 A
(see Section 14)
Using staggered jumpers reduces the maximum rated voltage to 275 V.

Please observe the application notes:

Insulation stop, page 346

Jumpers, from page 348

Comb-style jumper bar, page 347

Testing accessories, from page 342

Marking, from page 588

Approvals and corresponding ratings,
visit www.wago.com

Accessories; 281 Series

Appropriate marking systems:

WMB/WMB Inline/WFB

Adjacent jumper; insulated; I_N = I_N terminal block

gray	281-402	200 (25)
yellow-green	281-422	200 (25)

Alternate jumper, insulated; I_N = I_N terminal block

gray	281-409	100 (25)
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Staggered jumper; insulated; 6 mm wide; I_N 32 A

1 to 2	781-452	100 (25)
1 to 3	781-453	100 (25)
1 to 4	781-454	100 (25)
1 to 5	781-455	50 (25)
1 to 6	781-456	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 6/4 mm² (10/12 AWG); I_N 30 A

gray	284-413	50 (25)
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Cover plate; 1 mm thick; for 2-, 3- and 4-conductor terminal blocks

gray	284-334	100 (25)
orange	284-344	100 (25)

Comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	281-482	100 (25)
3-way	281-483	100 (25)
5-way	281-485	100 (25)
10-way	281-490	50 (25)

Alternate comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	281-492	100 (25)
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Operating tool; insulated

2-way	280-432	1
3-way	280-433	1
5-way	281-440	1

Accessories; 281 Series

Appropriate marking systems:
WMB/WMB Inline/WFB

Test plug module; snaps together; 5 mm wide

gray	281-418	100 (25)
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Spacer module; snaps together; 5 mm wide

gray	281-419	100 (25)
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Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 ... 10 mm² terminal blocks

gray	209-170	50 (25)
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Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V

	215-111	50
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Test plug adapter; 5 mm wide; for 210-137 Test Plug (2.3 mm Ø); for 1.5 ... 4 mm² terminal blocks

gray	280-404	100 (25)
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Test plug adapter; 6 mm wide; with CAGE CLAMP®; for 0.08 ... 2.5 mm²

I _N 24 A	281-407	100 (25)
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Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
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Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V

yellow	210-137	50
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WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-115	1
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WMB marking card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

plain	793-5501	5
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WMB marking card; plain; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

yellow	793-5501/000-002	5
red	793-5501/000-005	5
blue	793-5501/000-006	5
gray	793-5501/000-007	5
orange	793-5501/000-012	5
light green	793-5501/000-017	5
green	793-5501/000-023	5
violet	793-5501/000-024	5

Screwless end stop; for DIN-35 rail; 6 mm wide

gray	249-116	100 (25)
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