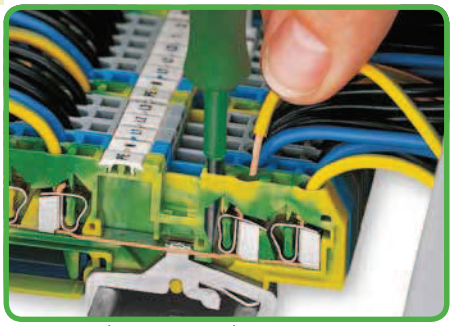
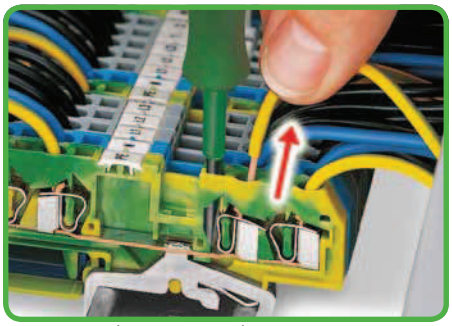
Rail-Mounted Terminal Blocks
279 to 285 Series

Conductor termination/removal

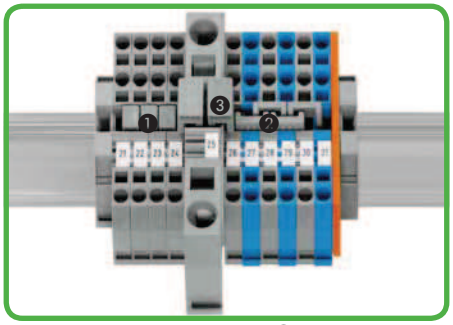


Inserting conductor via screwdriver.



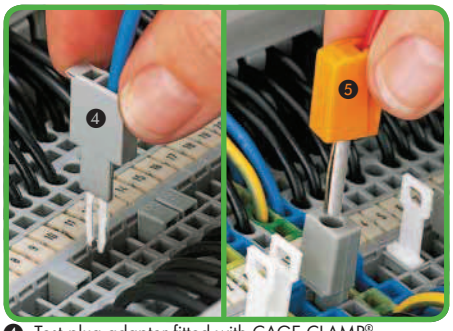
Removing conductor via screwdriver.

Adjacent/Staggered/Step-down jumpers

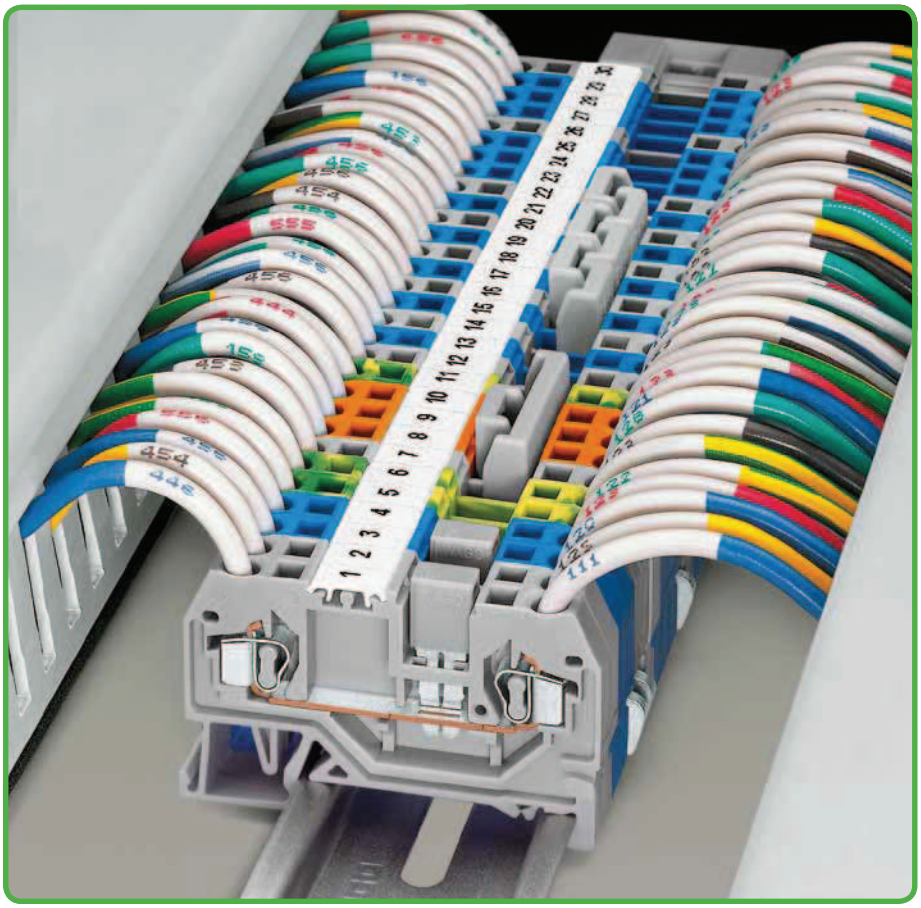


Commoning with adjacent jumpers ❶ or with staggered jumpers ❷.
Commoning terminal blocks of different sizes – with step down jumpers ❸.

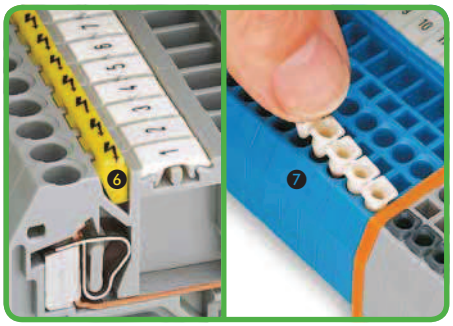
Testing



❹ Test plug adapter fitted with CAGE CLAMP®
❺ Banana plug (4 mm Ø) via 209-170 test plug adapter

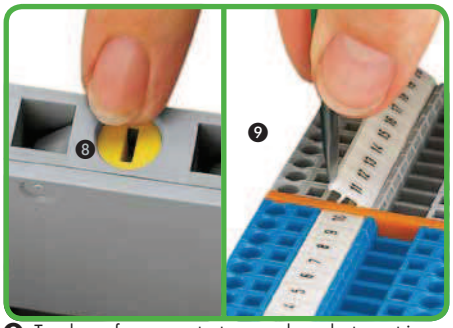


Warning cover/Insulation stop



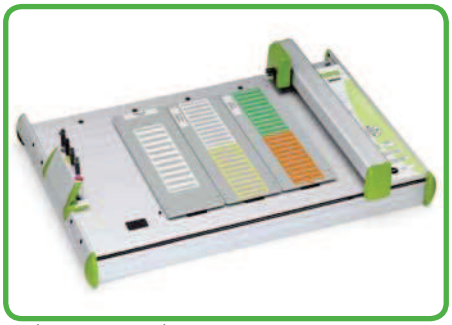
❻ Protective warning markers inserted into operating slots.
❼ Inserting insulation stop.

Finger guard



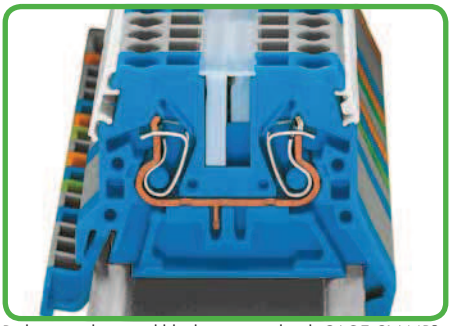
❽ Touchproof cover protects unused conductor entries.
❾ Marking via WMB Multi markers.

Marking



Marking via IP350 Plotter.

870 Series (see Full Line Catalog, Volume 1)



Rail-mounted terminal blocks equipped with CAGE CLAMP®.

CAGE CLAMP®S clamps the following copper conductors:



solid | stranded | fine-stranded | tip bonded | with ferrule | with pin terminal

Strip length, see packaging or instructions.

Through/Ground Conductor/Shield and Ex Terminal Blocks
1.5 mm²
279 Series

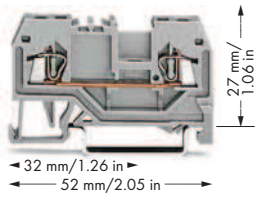
CAGE CLAMP®

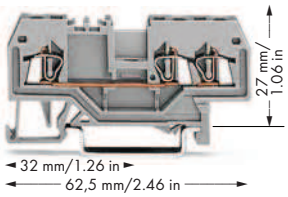
0.08 - 1.5 mm²	AWG 28 - 16
800 V/8 kV/3	600 V, 10 A
I_N 18 A	600 V, 10 A

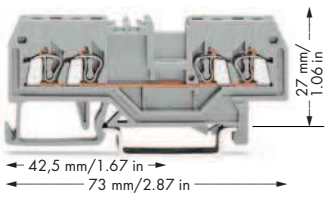
Terminal block width 4 mm / 0.157 in
8 - 9 mm / 0.33 in
❶ Approvals

0.08 - 1.5 mm² | AWG 28 - 16
800 V/8 kV/3 | 600 V, 10 A
I_N 18 A | 600 V, 10 A
Terminal block width 4 mm / 0.157 in
8 - 9 mm / 0.33 in
❶ Approvals

0.08 - 1.5 mm² | AWG 28 - 16
800 V/8 kV/3 | 600 V, 10 A
I_N 18 A | 600 V, 10 A
Terminal block width 4 mm / 0.157 in
8 - 9 mm / 0.33 in
❶ Approvals







Color	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**279-901**	100
blue	**279-904**	100
orange	**279-902**	100
red	**279-903**	100
black	**279-905**	100
yellow	**279-906**	100
light gray (Ex)	**279-992**	100
2-conductor ground terminal block		
green-yellow	**279-907**	100
green-yellow (Ex)	**279-907/999-950**	100
Other terminal blocks with the same profile:		
Diode	**279-915/. . .-. . .**	Volume 1

Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**279-681**	100
blue	**279-684**	100
orange	**279-682**	100
red	**279-683**	100
black	**279-685**	100
yellow	**279-686**	100
light gray (Ex)	**279-993**	100
3-conductor ground terminal block		
green-yellow	**279-687**	100
green-yellow (Ex)	**279-687/999-950**	100
Other terminal blocks with the same profile:		
Diode	**279-673/. . .-. . .**	Volume 1
LED	**279-674/. . .-. . .**	Volume 1

Color	Item No.	Pack. Unit
4-conductor through terminal block		
gray	**279-831**	100
blue	**279-834**	100
orange	**279-832**	100
red	**279-833**	100
black	**279-835**	100
yellow	**279-836**	100
light gray (Ex)	**279-994**	100
4-conductor ground terminal block		
green-yellow	**279-837**	100
green-yellow (Ex)	**279-837/999-950**	100
4-conductor shield terminal block		
white	**279-838**	100
Other terminal blocks with the same profile:		
Double-potential	**279-826**	Volume 1
Diode	**279-815/. . .-. . .**	Volume 1
LED	**279-809/. . .-. . .**	Volume 1

Item-Specific Accessories

(Separator for Ex e /Ex i applications, see page 30)

End and intermediate plate, 2 mm thick



orange	**279-328**	100 (4x25)
gray	**279-325**	100 (4x25)
light gray	**279-330**	100 (4x25)

End and intermediate plate, 2 mm thick



orange	**279-339**	100 (4x25)
gray	**279-308**	100 (4x25)
light gray	**279-341**	100 (4x25)

End and intermediate plate, 2 mm thick



orange	**279-346**	100 (4x25)
gray	**279-344**	100 (4x25)
light gray	**279-348**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**279-329**	100 (4x25)
gray	**279-326**	100 (4x25)
light gray	**279-331**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**279-340**	100 (4x25)
gray	**279-309**	100 (4x25)
light gray	**279-342**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**279-347**	100 (4x25)
gray	**279-345**	100 (4x25)
light gray	**279-349**	100 (4x25)

279 Series Accessories

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 15 A



gray	**279-402**	200 (8x25)
yellow-green	**279-422**	200 (8x25)

Alternate comb-style jumper bar, insulated,
I_N = I_N terminal block



2-way	**279-492**	200 (8x25)

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



yellow	**279-415**	100 (4x25)

Alternate jumper, insulated, I_N 15 A



gray	**279-409**	100 (4x25)

Operating tool, insulated



2-way	**279-432**	1
3-way	**279-433**	1
10-way	**279-440**	1

Screwless end stop,



6 mm wide	**249-116**	100 (4x25)
10 mm wide	**249-117**	50 (2x25)

Push-in type wire jumper, insulated, I_N 9 A



60 mm	**249-125**	10
110 mm	**249-126**	10
250 mm	**249-127**	10

Insulation stop, 5 pcs/strip — 200 strips



Test plug adapter, for terminal blocks 1.5–4 mm² (AWG 16–12), 5 mm wide



	280-404	100 (4x25)

for 210-137 test plug

Comb-style jumper bar, insulated, I_N = I_N terminal block



2-way	**279-482**	200 (8x25)
3-way	**279-483**	200 (8x25)
10-way	**279-490**	50 (2x25)

white	**279-470**	0.08–0.2 mm² (AWG 28–24)
dark gray	**279-471**	0.25 mm² (AWG 22)

Test plug adapter, for terminal blocks 1.5–10 mm² (AWG 16–8), 8 mm wide



	209-170	50 (2x25)

for test plug 4 mm Ø

Operating tool with partially insulated shaft,



type 1, (2.5 x 0.4) mm blade — **210-719** 1

Suitable for Ex i applications
(Ex) Suitable for Ex e II applications
0.2 – 1.5 mm² AWG 24 – 16
550 V, 15 A

Banana plugs, only for safety extra-low voltage (42 V)



black	**215-311**	50
red	**215-212**	50
blue	**215-711**	50

❶ Approvals are available online at: www.wago.com.

For technical explanations and abbreviations, see technical section.

WAGO®

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

0.08 - 2.5 mm²	AWG 28 - 12*
800 V/8 kV/3	600 V, 20 A
I_N 24 A	600 V, 20 A

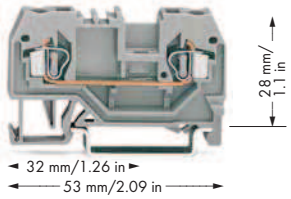
Terminal block width 5 mm / 0.197 in
8 - 9 mm / 0.33 in
❶ Approvals

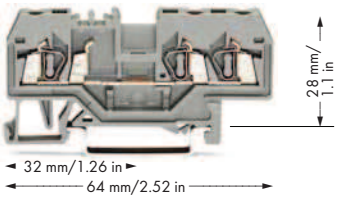
0.08 - 2.5 mm²	AWG 28 - 12*
800 V/8 kV/3	600 V, 20 A
I_N 24 A	600 V, 10 A

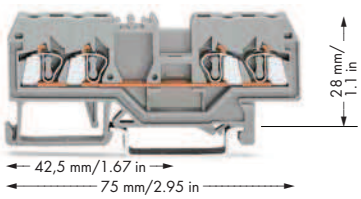
Terminal block width 5 mm / 0.197 in
8 - 9 mm / 0.33 in
❶ Approvals

0.08 - 2.5 mm²	AWG 28 - 12*
800 V/8 kV/3	600 V, 20 A
I_N 20 A	600 V, 10 A

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







Color	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**280-901**	100
blue	**280-904**	100
orange	**280-902**	100
red	**280-903**	100
black	**280-905**	100
yellow	**280-906**	100
light gray Ex	**280-992**	100
2-conductor ground terminal block		
green-yellow	**280-907**	100
green-yellow Ex	**280-907/999-950**	100
Other terminal blocks with the same profile:		
Diode	**280-915/. . .-. . .**	Volume 1
Disconnect	**280-912**	Page 67
Carrier	**280-916**	Volume 1

Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**280-681**	100
blue	**280-684**	100
orange	**280-650**	100
red	**280-653**	100
black	**280-671**	100
yellow	**280-672**	100
light gray Ex	**280-993**	100
3-conductor ground terminal block		
green-yellow	**280-687**	100
green-yellow Ex	**280-687/999-950**	100
Other terminal blocks with the same profile:		
Diode	**280-673/. . .-. . .**	Volume 1
Disconnect	**280-683**	Page 67
Carrier	**280-610**	Volume 1

Color	Item No.	Pack. Unit
4-conductor through terminal block		
gray	**280-833**	100
blue	**280-834**	100
orange	**280-835**	100
red	**280-830**	100
black	**280-831**	100
yellow	**280-832**	100
light gray Ex	**280-994**	100
4-conductor ground terminal block		
green-yellow	**280-837**	100
green-yellow Ex	**280-837/999-950**	100
4-conductor shield terminal block		
white	**280-838**	100
Other terminal blocks with the same profile:		
Double-potential	**280-826**	Volume 1
LED	**280-809/. . .-. . .**	Volume 1
Carrier	**280-816**	Volume 1

Item-Specific Accessories

(Separator for Ex e/Ex i applications, see page 30)

End and intermediate plate, 2.5 mm thick



orange	**280-309**	100 (4x25)
gray	**280-308**	100 (4x25)
light gray	**280-356**	100 (4x25)

End and intermediate plate, 2.5 mm thick



orange	**280-326**	100 (4x25)
gray	**280-324**	100 (4x25)
light gray	**280-358**	100 (4x25)

End and intermediate plate, 2.5 mm thick



orange	**280-315**	100 (4x25)
gray	**280-314**	100 (4x25)
light gray	**280-352**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**280-311**	100 (4x25)
gray	**280-310**	100 (4x25)
light gray	**280-357**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**280-346**	100 (4x25)
gray	**280-344**	100 (4x25)
light gray	**280-359**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**280-335**	100 (4x25)
gray	**280-334**	100 (4x25)
light gray	**280-353**	100 (4x25)

280 Series Accessories

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 24 A



gray	**280-402**	200 (8x25)
yellow-green	**280-422**	200 (8x25)

Alternate jumper, insulated, I_N 24 A



gray	**280-409**	100 (4x25)

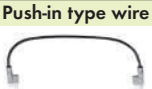
Staggered jumper, insulated, I_N 24 A,



spacing 5 mm

from 1 to 2	**780-452**	100 (4x25)
from 1 to 3	**780-453**	100 (4x25)
from 1 to 4	**780-454**	100 (4x25)
from 1 to 5	**780-455**	50 (2x25)
:	:	
from 1 to 8	**780-458**	50 (2x25)

Push-in type wire jumper, insulated, I_N 9 A



60 mm	**249-125**	10
110 mm	**249-126**	10
250 mm	**249-127**	10

Comb-style jumper bar, insulated, $I_N = I_N$ terminal block



2-way	**280-482**	200 (8x25)
3-way	**280-483**	200 (8x25)
10-way	**280-490**	50 (2x25)

Operating tool, insulated



2-way	**280-432**	1
3-way	**280-433**	1
10-way	**280-440**	1

Insulation stop, 5 pcs/strip 200 strips



white	**280-470**	0.08-0.2 mm² (AWG 28-24)
light gray	**280-471**	0.25-0.5 mm² (AWG 12-20)
dark gray	**280-472**	0.75-1 mm² (AWG 20-18)

Suitable for Ex i applications
Ex Suitable for Ex e II applications
0.2 – 2.5 mm² AWG 24 – 12
550 V, 20 A

Protective warning marker, with high-voltage symbol,



for 5 terminal blocks

yellow	**280-415**	100 (4x25)

Screwless end stop,



6 mm wide	**249-116**	100 (4x25)
10 mm wide	**249-117**	50 (2x25)

Test plug adapter, for terminal blocks 1.5-4 mm²



(AWG 16-12), 5 mm wide
280-404 100 (4x25)
for 210-137 test plug

Test plug adapter, for terminal blocks 1.5-10 mm²



(AWG 16-12), 8 mm wide
209-170 50 (2x25)
for test plug 4 mm Ø

Test plug, 6 mm wide, with CAGE CLAMP®



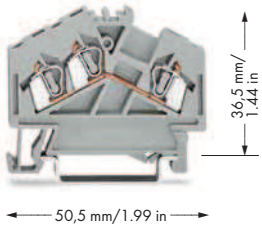
for 0.08-2.5 mm² (AWG 28-14)
I_N 24 A **281-407** 100 (4x25)

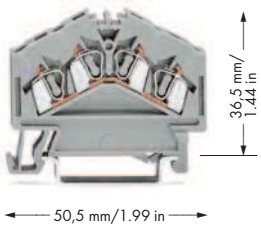
❶ Approvals are available online at: www.wago.com.

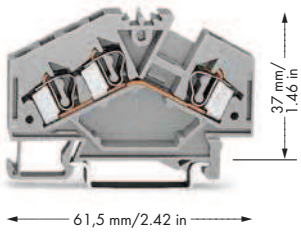
Through/Ground and Ex Terminal Blocks, Angled Type
280 Series (2.5 mm²) and 281 Series (4 mm²)

CAGE CLAMP®

0.08 - 2.5 mm² / 800 V/8 kV/3 / I_N 24 A	AWG 28 - 12* / 600 V, 20 A / 600 V, 20 A	0.08 - 2.5 mm² / 800 V/8 kV/3 / I_N 24 A	AWG 28 - 12* / 600 V, 20 A / 600 V, 20 A	0.08 - 4 mm² / 800 V/8 kV/3 / I_N 32 A	AWG 28 - 12 / 600 V, 20 A / 600 V, 20 A
Terminal block width 5 mm / 0.197 in		Terminal block width 5 mm / 0.197 in		Terminal block width 6 mm / 0.236 in	
8 - 9 mm / 0.33 in		8 - 9 mm / 0.33 in		9 - 10 mm / 0.37 in	
❶ Approvals		❶ Approvals		❶ Approvals	







Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**280-641**	100
blue	**280-651**	100
orange	**280-654**	100
light gray (Ex)	**280-998**	100
3-conductor ground terminal block		
green-yellow	**280-637**	100
green-yellow (Ex)	**280-637/999-950**	100
3-conductor shield terminal block		
white	**280-640**	100
Other terminal blocks with the same profile:		
Spacer	**280-654/056-000**	Volume 1

Color	Item No.	Pack. Unit
4-conductor through terminal block		
gray	**280-646**	100
blue	**280-656**	100
orange	**280-946**	100
light gray (Ex)	**280-996**	100
Notice:		
These terminal blocks can only be commoned with 280 Series comb-style jumper bars!		

Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**281-631**	100
blue	**281-651**	100
light gray (Ex)	**281-998**	100
3-conductor ground terminal block		
green-yellow	**281-637**	100
green-yellow (Ex)	**281-637/999-950**	100

Item-Specific Accessories

End and intermediate plate, 2.5 mm thick



orange	**280-313**	100 (4x25)
gray	**280-312**	100 (4x25)
light gray	**280-354**	100 (4x25)

Separator, oversized, 2.5 mm thick



orange	**280-318**	100 (4x25)
gray	**280-348**	100 (4x25)
light gray	**280-355**	100 (4x25)

280 Series Accessories

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 24 A



gray	**280-402**	200 (8x25)
yellow-green	**280-422**	200 (8x25)

Alternate jumper, insulated, I_N 24 A



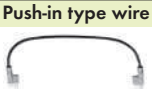
gray	**280-409**	100 (4x25)

Staggered jumper, insulated, I_N 24 A,



spacing 5 mm		
from 1 to 2	**780-452**	100 (4x25)
from 1 to 3	**780-453**	100 (4x25)
from 1 to 4	**780-454**	100 (4x25)
from 1 to 5	**780-455**	50 (2x25)
:	:	
from 1 to 8	**780-458**	50 (2x25)

Push-in type wire jumper, insulated, I_N 9 A



60 mm	**249-125**	10
110 mm	**249-126**	10
250 mm	**249-127**	10

Operating tool with partially insulated shaft,



type 2, (3.5 x 0.5) mm blade **210-720** 1

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



yellow	**280-415**	100 (4x25)

Screwless end stop,



6 mm wide	**249-116**	100 (4x25)
10 mm wide	**249-117**	50 (2x25)

Test plug adapter, for terminal blocks 1.5–4 mm² (AWG 16–12), 5 mm wide



280-404 100 (4x25)
for 210-137 test plug

Insulation stop, 5 pcs/strip 200 strips



white	**280-470**	0.08-0.2 mm² (AWG 28-24)
light gray	**280-471**	0.25-0.5 mm² (AWG 12-20)
dark gray	**280-472**	0.75-1 mm² (AWG 20-18)

For additional accessories, see page 52.

Suitable for Ex i applications
Suitable for Ex e II applications
0.2 – 2.5 mm² AWG 24 – 12
550 V, 20 A

Item-Specific Accessories

End and intermediate plate, 2.5 mm thick



orange	**281-313**	100 (4x25)
gray	**281-312**	100 (4x25)
light gray	**281-357**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**281-318**	100 (4x25)
gray	**281-348**	100 (4x25)
light gray	**281-358**	100 (4x25)

281 Series

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 24 A



gray	**281-402**	200 (8x25)
yellow-green	**281-422**	200 (8x25)

Alternate jumper, insulated, I_N 24 A



gray	**281-409**	100 (4x25)

Staggered jumper, insulated, I_N 24 A,



spacing 5 mm		
from 1 to 2	**781-452**	100 (4x25)
from 1 to 3	**781-453**	100 (4x25)
from 1 to 4	**781-454**	100 (4x25)
from 1 to 5	**781-455**	50 (2x25)
from 1 to 6	**781-456**	50 (2x25)

For additional accessories see page 54.

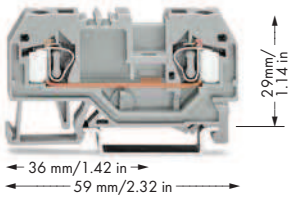
Suitable for Ex i applications
Suitable for Ex e II applications
0.2 – 4 mm² AWG 24 – 12
550 V, 30 A

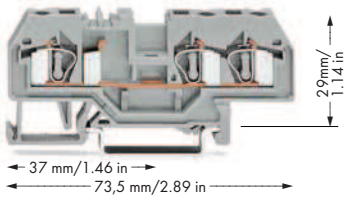
Please find the entire product range in our Full Line Catalog, Volume 1. Additional information at www.wago.com.

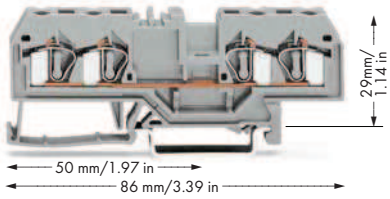
* AWG 12: THHN, THWN

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

0.08 - 4 mm² 800 V/8 kV/3 I_N 32 A	AWG 28 - 12 600 V, 20 A 600 V, 20 A	Terminal block width 6 mm / 0.236 in 9 - 10 mm / 0.37 in ❶ Approvals
0.08 - 4 mm² 800 V/8 kV/3 I_N 32 A	AWG 28 - 12 600 V, 20 A 600 V, 20 A	Terminal block width 6 mm / 0.236 in 9 - 10 mm / 0.37 in ❶ Approvals
0.08 - 4 mm² 800 V/8 kV/3 I_N 26 A	AWG 28 - 12 600 V, 20 A 600 V, 20 A	Terminal block width 6 mm / 0.236 in 9 - 10 mm / 0.37 in ❶ Approvals







Color	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**281-901**	50
blue	**281-904**	50
orange	**281-902**	50
red	**281-903**	50
black	**281-905**	50
yellow	**281-906**	50
light gray Ex	**281-992**	50
2-conductor ground terminal block		
green-yellow	**281-907**	50
green-yellow Ex	**281-907/999-950**	50
Other terminal blocks with the same profile:		
Diode	**281-915/. . .-. . .**	Volume 1
Disconnect	**281-912**	Page 67
Carrier	**281-916**	Page 66

Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**281-681**	50
blue	**281-684**	50
orange	**281-678**	50
red	**281-679**	50
black	**281-685**	50
yellow	**281-686**	50
light gray Ex	**281-993**	50
3-conductor ground terminal block		
green-yellow	**281-687**	50
green-yellow Ex	**281-687/999-950**	50
Other terminal blocks with the same profile:		
Diode	**281-673/. . .-. . .**	Volume 1
Disconnect	**281-683**	Page 67
Carrier	**281-610**	Page 66

Color	Item No.	Pack. Unit
4-conductor through terminal block		
gray	**281-652**	50
blue	**281-654**	50
orange	**281-653**	50
red	**281-663**	50
black	**281-664**	50
yellow	**281-668**	50
light gray Ex	**281-994**	50
4-conductor ground terminal block		
green-yellow	**281-657**	50
green-yellow Ex	**281-657/999-950**	50
4-conductor shield terminal block		
white	**281-658**	50
Other terminal blocks with the same profile:		
Diode	**281-665/. . .-. . .**	Volume 1
Disconnect	**281-659**	Page 67
Carrier	**281-656**	Page 66

Item-Specific Accessories

Separator for Ex e /Ex i applications, see page 30

End and intermediate plate, 2.5 mm thick



orange	**281-329**	100 (4x25)
gray	**281-328**	100 (4x25)
light gray	**281-349**	100 (4x25)

End and intermediate plate, 2.5 mm thick



orange	**281-326**	100 (4x25)
gray	**281-324**	100 (4x25)
light gray	**281-355**	100 (4x25)

End and intermediate plate, 2.5 mm thick



orange	**281-335**	100 (4x25)
gray	**281-334**	100 (4x25)
light gray	**281-345**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**281-331**	100 (4x25)
gray	**281-330**	100 (4x25)
light gray	**281-350**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**281-346**	100 (4x25)
gray	**281-344**	100 (4x25)
light gray	**281-356**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**281-339**	100 (4x25)
gray	**281-338**	100 (4x25)
light gray	**281-347**	100 (4x25)

281 Series Accessories

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 32 A



gray	**281-402**	200 (8x25)
yellow-green	**281-422**	200 (8x25)

Alternate jumper, insulated, I_N 32 A



gray	**281-409**	100 (4x25)

Staggered jumper, insulated, I_N 32 A



Spacing: 6 mm

from 1 to 2	**781-452**	100 (4x25)
from 1 to 3	**781-453**	100 (4x25)
from 1 to 4	**781-454**	100 (4x25)
from 1 to 5	**781-455**	50 (2x25)
from 1 to 6	**781-456**	50 (2x25)

Push-in type wire jumper, insulated, I_N 9 A



60 mm	**249-125**	10
110 mm	**249-126**	10
250 mm	**249-127**	10

Comb-style jumper bar, insulated, I_N = I_N terminal block



2-way	**281-482**	100 (4x25)
3-way	**281-483**	100 (4x25)
5-way	**281-485**	100 (4x25)

Operating tool, insulated



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

Insulation stop, 5 pcs/strip — 200 strips



white	**281-470**	0.08-0.2 mm² (AWG 28-24)
light gray	**281-471**	0.25-0.5 mm² (AWG 12-20)
dark gray	**281-472**	0.75-1.5 mm² (AWG 18-16)

Suitable for Ex i applications

Suitable for Ex e II applications

0.2 – 4 mm² AWG 24 – 12

550 V, 30 A

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



yellow	**281-415**	100 (4x25)

Screwless end stop,



6 mm wide	**249-116**	100 (4x25)
10 mm wide	**249-117**	50 (2x25)

Test plug adapter, for terminal blocks 1.5-4 mm² (AWG 16-12), 5 mm wide



280-404 100 (4x25)

for 210-137 test plug

Test plug adapter, for terminal blocks 1.5-10 mm² (AWG 16-12), 8 mm wide



209-170 50 (2x25)

for test plug 4 mm Ø

Test plug, 6 mm wide, with CAGE CLAMP®



for 0.08-2.5 mm² (AWG 28-14)

I_N 24 A **281-407** 100 (4x25)

❶ Approvals are available online at: www.wago.com.

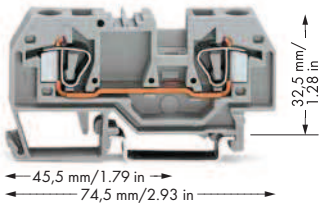
For technical explanations and abbreviations, see technical section.

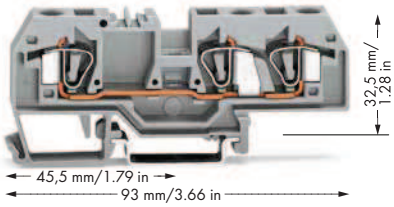
Through/Ground Conductor and Ex Terminal Blocks 6 mm², 282 Series
Test Plug Modules with CAGE CLAMP®, 249 and 709 Series

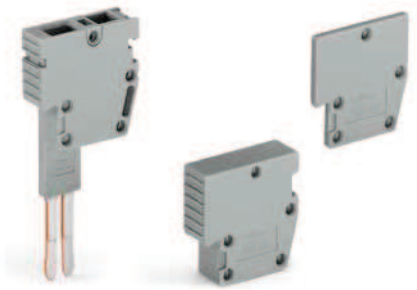
0.2 - 6 mm² | **AWG 24 - 10**
800 V/8 kV/3 | **600 V, 30 A**
I_N 41 A | **600 V, 40 A**
Terminal block width 8 mm / 0.315 in
12 - 13 mm / 0.49 in
❶ Approvals

0.2 - 6 mm² | **AWG 24 - 10**
800 V/8 kV/3 | **600 V, 30 A**
I_N 41 A | **600 V, 40 A**
Terminal block width 8 mm / 0.315 in
12 - 13 mm / 0.49 in
❶ Approvals

Test plug modules for 280, 281, 282 and 284 Series rail-mounted terminal blocks







Color	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**282-901**	50
blue	**282-904**	50
orange	**282-902**	50
light gray (Ex)	**282-992**	50
2-conductor ground terminal block		
green-yellow	**282-907**	50
green-yellow (Ex)	**282-907/999-950**	50

Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**282-681**	25
blue	**282-684**	25
orange	**282-682**	25
light gray (Ex)	**282-993**	25
3-conductor ground terminal block		
green-yellow	**282-687**	25
green-yellow (Ex)	**282-687/999-950**	25

	Item No.	Pack. Unit
Test plug module with CAGE CLAMP®, can be snapped together, gray, module width 5 mm, suitable for all WAGO 280 Series rail-mounted terminal blocks, version using jumper contact position in current bar	**249-106**	100 (4x25)
Spacer module, e.g., bridging commoned terminal blocks, can be snapped together, gray, module width 5 mm	**249-107**	100 (4x25)
Test plug module with CAGE CLAMP®, can be snapped together, gray, module width 6 mm, suitable for all WAGO 281 Series rail-mounted terminal blocks, version using jumper contact position in current bar	**249-147**	100 (4x25)
Spacer module, e.g., bridging commoned terminal blocks, can be snapped together, gray, module width 6 mm	**249-148**	100 (4x25)
Test plug module with CAGE CLAMP®, can be snapped together, gray, module width 8 mm, suitable for all WAGO 282 Series rail-mounted terminal blocks, version using jumper contact position in current bar	**709-310**	100 (4x25)
Spacer module, e.g., bridging commoned terminal blocks, can be snapped together, gray, module width 8 mm	**709-311**	100 (4x25)
Spacer plate, – only for 284 Series – modular, gray, width 2 mm, snaps on 709-310 test plug modules and 709-311 spacer modules for testing 284 Series rail-mounted terminal blocks	**709-312**	100 (4x25)

Item-Specific Accessories

Separator for Ex e /Ex i applications, see page 30

End and intermediate plate, 2.5 mm thick



orange	**282-328**	100 (4x25)
gray	**282-325**	100 (4x25)
light gray	**282-330**	100 (4x25)

End and intermediate plate, 2.5 mm thick



orange	**282-339**	100 (4x25)
gray	**282-308**	100 (4x25)
light gray	**282-341**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**282-329**	100 (4x25)
gray	**282-326**	100 (4x25)
light gray	**282-331**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**282-340**	100 (4x25)
gray	**282-309**	100 (4x25)
light gray	**282-342**	100 (4x25)

282 Series Accessories

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 41 A



gray	**282-402**	100 (4x25)
yellow-green	**282-422**	100 (4x25)

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



yellow	**282-415**	100 (4x25)

Alternate jumper, insulated, I_N 41 A



gray	**282-409**	100 (4x25)

Screwless end stop,



6 mm wide	**249-116**	100 (4x25)
10 mm wide	**249-117**	50 (2x25)

Step-down jumper, insulated



gray		50 (2x25)
284/282 – 281/280/279	**284-414**	I_N 15 A
284/282 – 282/281	**284-413**	I_N 30 A

Test plug adapter, for terminal blocks 1.5–10 mm² (AWG 16–12), 8 mm wide



	209-170	50 (2x25)

for test plug 4 mm Ø

Cover plate, for step-down jumper application only, 1 mm thick,



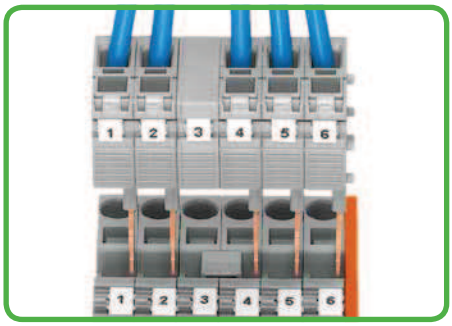
for 2-conductor terminal blocks		
gray	**282-357**	25
for 3-conductor terminal blocks		
gray	**282-358**	25

Banana plugs, only for safety extra-low voltage (42 V)



black	**215-311**	50
red	**215-212**	50
blue	**215-711**	50

(Ex) Suitable for Ex i applications
(Ex) Suitable for Ex e II applications
0.5 – 6 mm² AWG 20 – 10
550 V, 39 A Jumper 35 A



Test plug adapter strips are directly inserted into the jumper contact slots of the current bar (picture shows 282 Series)

Through/Ground Conductor and Ex Terminal Blocks 10 mm², Distribution Terminal Blocks
284 Series

0.2 - 10 mm²	AWG 24 - 8
800 V/8 kV/3	600 V, 50 A
I_N 57 A	600 V, 54 A

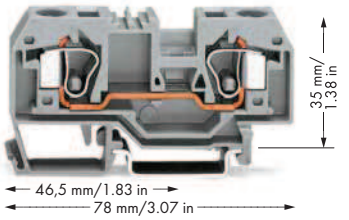
Terminal block width 10 mm / 0.394 in
12 - 13 mm / 0.49 in
❸ Approvals

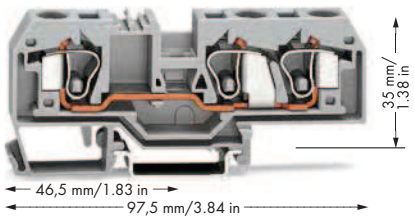
0.2 - 10 mm²	AWG 24 - 8
800 V/8 kV/3	600 V, 50 A
I_N 57 A	600 V, 54 A

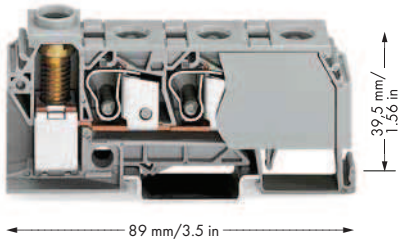
Terminal block width 10 mm / 0.394 in
12 - 13 mm / 0.49 in
❸ Approvals

0.2 - 10 mm² ❶	AWG 24 - 8 ❶
6 - 35 mm² ❷	AWG 10 - 2 ❷
800 V/8 kV/3, I_N 125 A	600 V, 115 A

Terminal block width 17.5 mm / 0.689 in
12 - 14 mm / 0.51 in
❸ Approvals







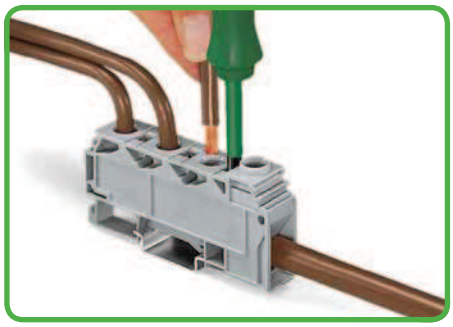
Color	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**284-901**	25
blue	**284-904**	25
orange	**284-902**	25
light gray (Ex)	**284-992**	25
2-conductor ground terminal block		
green-yellow	**284-907**	25
green-yellow (Ex)	**284-907/999-950**	25

Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**284-681**	25
blue	**284-684**	25
orange	**284-682**	25
light gray (Ex)	**284-993**	25
3-conductor ground terminal block		
green-yellow	**284-687**	25
green-yellow (Ex)	**284-687/999-950**	25

Color	Item No.	Pack. Unit
Distribution terminal block,		
with 3 x CAGE CLAMP® connection ❶ 10 mm²/AWG 8		
and 1 x screw clamp connection ❷ 35 mm²/AWG 2		
gray	**284-621**	15
blue	**284-624**	15



Terminating a 35 mm²/AWG 2 conductor.
Screw clamp connection, side-entry wiring.



Terminating a 10 mm²/AWG 8 conductor.
CAGE CLAMP® connection, front-entry wiring.

Rail-mounted distribution terminal block with 35 mm²/AWG 2 and 3 x 10 mm² (3 x AWG 8) front-entry CAGE CLAMP® connection. Snaps onto DIN 35 carrier rails per EN 60715. The terminal block enclosed on both sides, an end or intermediate plate is not necessary.

In case of maximum wiring with 3 x 10 mm²/AWG 8 on the distribution side, the nominal current of 125A shall not be exceeded.

Item-Specific Accessories

End and intermediate plate, 2.5 mm thick



orange	**284-328**	100 (4x25)
gray	**284-325**	100 (4x25)
light gray	**284-330**	100 (4x25)

End and intermediate plate, 2.5 mm thick



orange	**284-339**	100 (4x25)
gray	**284-308**	100 (4x25)
light gray	**284-341**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**284-329**	100 (4x25)
gray	**284-326**	100 (4x25)
light gray	**284-331**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**284-340**	100 (4x25)
gray	**284-309**	100 (4x25)
light gray	**284-342**	100 (4x25)

284 Series Accessories

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 57 A



gray	**284-402**	100 (4x25)
yellow-green	**284-422**	100 (4x25)

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



yellow	**284-415**	50 (2x25)

Alternate jumper, insulated, I_N 57 A



gray	**284-409**	50 (2x25)

Finger guard,



touch-proof cover protects unused conductor entries

yellow	**284-400**	100 (4x25)

Test plug adapter, for terminal blocks 1.5–10 mm²



(AWG 16–8), 8 mm wide
209-170 50 (2x25)
for test plug 4 mm Ø

Step-down jumper, insulated,



gray	50 (2x25)

Test plug module and spacer module, both with spacer plate, see page 55

284/282 – 281/280/279	**284-414**	I_N 15 A
284/282 – 282/281	**284-413**	I_N 30 A

Cover plate, for step-down jumper application only, 1 mm thick,



for 2-conductor terminal blocks
gray **284-357** 25
for 3-conductor terminal blocks
gray **284-358** 25

(Ex) Suitable for Ex e II applications
0.5 – 10 mm² AWG 20 – 8
550 V, 53 A

Comb-style jumper bar, insulated, individual arrangement



I_N 125 A – 2 jumpers combined in one clamping unit 100 A, 2-way
gray **284-412** 100 (4x25)

❸ Approvals are available online at: www.wago.com.

For technical explanations and abbreviations, see technical section.

Through/Ground Conductor and Ex Terminal Blocks 16 mm² / 35 mm² 283 and 285 Series

0.2 - 16 mm²	AWG 24 - 6
800 V/8 kV/3	600 V, 65 A
I_N 76 A	600 V, 70 A

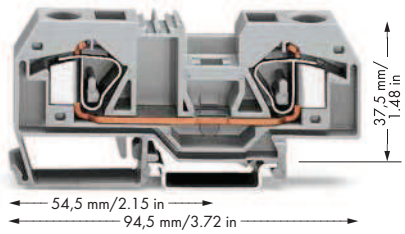
Terminal block width 12 mm / 0.472 in
16 - 17 mm / 0.65 in
❸ Approvals

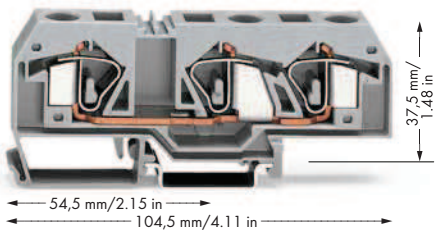
0.2 - 16 mm²	AWG 24 - 6
800 V/8 kV/3	600 V, 65 A
I_N 76 A	600 V, 70 A

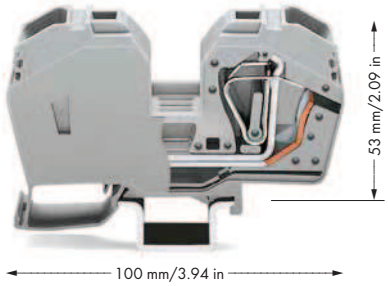
Terminal block width 12 mm / 0.472 in
16 - 17 mm / 0.65 in
❸ Approvals

6 - 35 mm²	AWG 8 - 2
1000 V/8 kV/3	600 V, 115 A
I_N 125 A	600 V, 140 A

Terminal block width 16 mm / 0.63 in
23 mm / 0.91 in❹
❸ Approvals







Color	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**283-901**	20
blue	**283-904**	20
orange	**283-902**	20
light gray Ex	**283-992**	20
2-conductor ground terminal block		
green-yellow	**283-907**	20
green-yellow Ex	**283-907/999-950**	20

Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**283-671**	20
blue	**283-674**	20
orange	**283-672**	20
light gray Ex	**283-998**	20
3-conductor ground terminal block		
green-yellow	**283-677**	20
green-yellow Ex	**283-677/999-950**	20

Notice: These terminal blocks cannot be commoned using adjacent jumpers!

Color	Item No.	Pack. Unit
2-conductor through terminal block, with integrated end plate		
gray	**285-635**	15
blue	**285-634**	15
light gray Ex	**285-992**	15
2-conductor ground terminal block		
green-yellow	**285-637**	15
green-yellow Ex	**285-637/999-950**	15



Termination of 35 mm²/AWG 2 conductor

Item-Specific Accessories

End and intermediate plate, 2.5 mm thick



orange	**283-328**	50 (2x25)
gray	**283-325**	50 (2x25)
light gray	**283-330**	50 (2x25)

Separator, oversized, 2 mm thick



orange	**283-329**	50 (2x25)
gray	**283-326**	50 (2x25)
light gray	**283-331**	50 (2x25)

End and intermediate plate, 2.5 mm thick



orange	**283-352**	50 (2x25)
gray	**283-350**	50 (2x25)
light gray	**283-354**	50 (2x25)

Separator, oversized, 2 mm thick



orange	**283-353**	50 (2x25)
gray	**283-351**	50 (2x25)
light gray	**283-355**	50 (2x25)

283 Series Accessories

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 70 A



gray	**283-402**	50 (2x25)
yellow-green	**283-422**	50 (2x25)

Alternate jumper, insulated, I_N 76 A



gray	**283-409**	50 (2x25)

Test plug adapter, for terminal blocks 1.5–16 mm² (AWG 16–6), 11.6 mm wide



	283-404	25

for test plug 4 mm Ø

Step-down jumper, insulated, I_N 32 A,



16 mm²/AWG 6 to 4 mm²/ AWG 12

gray	**283-414**	50 (2x25)

Cover plate, for step-down jumper application only, 1 mm thick, for 2-conductor terminal blocks



gray	**283-357**	25

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



yellow	**283-415**	50 (2x25)

Finger guard, touch-proof cover protects unused conductor entries



yellow	**283-400**	100 (4x25)

Banana plugs, only for safety extra-low voltage (42 V)



black	**215-311**	50
red	**215-212**	50
blue	**215-711**	50

Operating tool with partially insulated shaft, type 3, (5.5 x 0.8) mm blade



210-721 1

Ex Suitable for Ex e II applications
0.5 – 16 mm² AWG 20 – 6
550 V, 68 A Jumper 63 A

285 Series

Appropriate marking systems: **Miniature WSB WMB**

Adjacent jumper, insulated, I_N 85 A



gray	**285-435**	50 (2x25)

Step-down jumper, insulated, I_N 32 A, from 35 mm²/AWG 2 to 4 mm²/ AWG 12



gray	**283-414**	50 (2x25)

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



yellow	**285-416**	50 (2x25)

Finger guard, touch-proof cover protects unused conductor entries



yellow	**285-401**	100 (4x25)

Ex Suitable for Ex e II applications
6 – 35 mm² AWG 8 – 2
750 V, 120 A
6 – 25 mm² AWG 8 – 4
for ground terminal blocks

Please find the entire product range in our Full Line Catalog, Volume 1. Additional information at www.wago.com.
❹ 16 mm (0.63 in) for 35 mm²/AWG 2 "st"