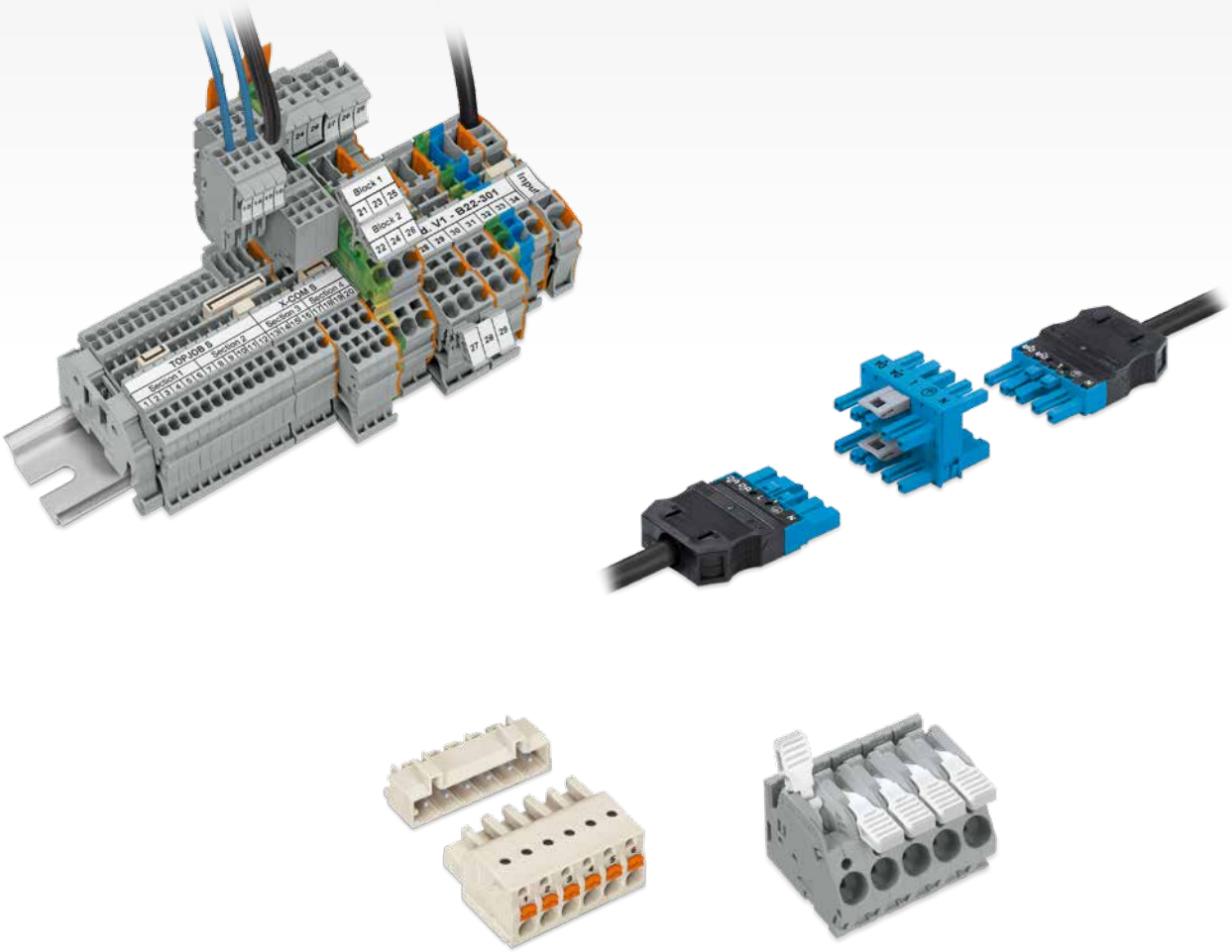
Electrical Interconnections

Supplementary Catalog to
Full Line Catalogs, Volumes 1/2/5
Edition 2014/2



WE INNOVATE!

WAGO®

The new items in this catalog supplement products found in the following main catalogs

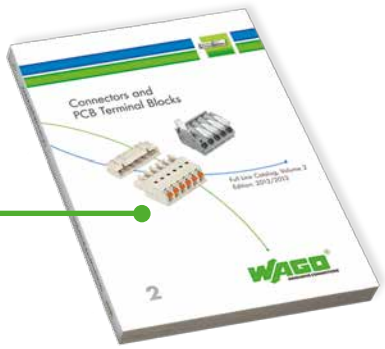
N 1/2/5

Volume 5

WINSTA® - The Pluggable Connection System

Volume 2

Connectors and PCB Terminal Blocks



Volume 1

Rail-Mounted Terminal Block Systems

CONTENTS

CONTENTS

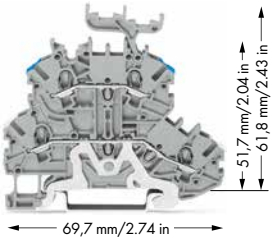
Volume 1

Products highlighted in RED are new items for Autumn 2014

TOPJOB®S
Double-Deck Terminal Blocks 1 (1.5) mm²
2000 Series

CAGE CLAMP®S

0.14 - 1 (1.5) mm² ❶ | AWG 24 - 16
500 V/6 kV/3 ❷
I_N 13.5 A (16 A)
Terminal block width 3.5 mm / 0.138 in
9 - 11 mm / 0.39 in ❸



❶ Conductor sizes: 0.14 mm² – 1.5 mm² "s + f-st"; Push-in conductor sizes: 0.5 mm² – 1.5 mm² "s" and 0.5 mm² – 0.75 mm² "insulated ferrule, 10 mm"

❷ 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

	Item No.	Pack. Unit
Ground conductor/through terminal block, with marker carrier, gray housing		
◯ Shield/N	**2000-2248**	50
◯ Shield/L	**2000-2258**	50
Ground conductor/through terminal block, without marker carrier, gray housing		
◯ Shield/N	**2000-2218**	50
◯ Shield/L	**2000-2228**	50

2000 Series Accessories

Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

End and intermediate plate, 0.7 mm thick

orange	**2000-2292**	25
gray	**2000-2291**	25

Push-in type jumper bar, insulated,

I_N 14 A, light gray

2-way	**2000-402**	200 (8x25)
3-way	**2000-403**	200 (8x25)
4-way	**2000-404**	200 (8x25)
5-way	**2000-405**	100 (4x25)
6-way	**2000-406**	100 (4x25)
7-way	**2000-407**	100 (4x25)
8-way	**2000-408**	100 (4x25)
9-way	**2000-409**	100 (4x25)
10-way	**2000-410**	100 (4x25)

Push-in type jumper bar, insulated,

I_N 14 A, light gray

from 1 to 3	**2000-433**	200 (8x25)
from 1 to 4	**2000-434**	200 (8x25)
from 1 to 5	**2000-435**	100 (4x25)
from 1 to 6	**2000-436**	100 (4x25)
from 1 to 7	**2000-437**	100 (4x25)
from 1 to 8	**2000-438**	100 (4x25)
from 1 to 9	**2000-439**	100 (4x25)
from 1 to 10	**2000-440**	100 (4x25)

Protective warning marker,

with high-voltage symbol, black, for 5 terminal blocks

yellow	**2000-115**	100 (4x25)

Double-deck marker carrier,

pivoting

gray	**2000-121**	50 (2x25)

WMB Multi marking system,

10 strips with 10 markers per card, for 3.5 mm terminal block width

plain	**793-3501**	5

Marking strip, plain,

11 mm wide, 50 m roll

white	**2009-110**	1

Test plug adapter,

for 4 mm Ø test plug

gray	**2009-174**	100 (4x25)

Banana plug,

for socket 4 mm Ø, color mixed

215-111	50

Testing tap,

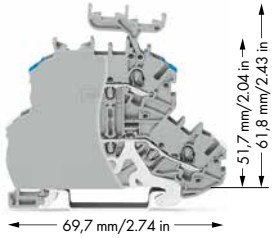
for max. 2.5 mm²

gray	**2009-182**	100 (4x25)

TOPJOB®S
Double-Deck Terminal Blocks 1 (1.5) mm²
2000 Series

0.14 - 1 (1.5) mm² ❶ | AWG 24 - 16
800 V/8 kV/3 ❷
I_N 13.5 A (16 A)

Terminal block width 4.2 mm / 0.165 in
9 - 11 mm / 0.39 in ❸



❶ Conductor sizes: 0.14 mm² – 1.5 mm² "s + f-st"; Push-in conductor sizes: 0.5 mm² – 1.5 mm² "s" and 0.5 mm² – 0.75 mm² "insulated ferrule, 10 mm"

❷ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

Item No.		Pack. Unit
Ground conductor/through terminal block, with end plate, with marker carrier, gray housing		
Shield/N	**2000-2248/099-000**	50
Shield/L	**2000-2258/099-000**	50
Ground conductor/through terminal block, with end plate, without marker carrier, gray housing		
Shield/N	**2000-2218/099-000**	50
Shield/L	**2000-2228/099-000**	50

2000 Series Accessories

Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

End and intermediate plate, 0.7 mm thick

orange	**2000-2292**	25
gray	**2000-2291**	25

Push-in type jumper bar, insulated,

I_N 18 A, light gray

2-way	**2001-402**	200 (8x25)
3-way	**2001-403**	200 (8x25)
4-way	**2001-404**	200 (8x25)
5-way	**2001-405**	100 (4x25)
6-way	**2001-406**	100 (4x25)
7-way	**2001-407**	100 (4x25)
8-way	**2001-408**	100 (4x25)
9-way	**2001-409**	100 (4x25)
10-way	**2001-410**	100 (4x25)

Push-in type jumper bar, insulated,

I_N 18 A, light gray

from 1 to 3	**2001-433**	200 (8x25)
from 1 to 4	**2001-434**	200 (8x25)
from 1 to 5	**2001-435**	100 (4x25)
from 1 to 6	**2001-436**	100 (4x25)
from 1 to 7	**2001-437**	100 (4x25)
from 1 to 8	**2001-438**	100 (4x25)
from 1 to 9	**2001-439**	100 (4x25)
from 1 to 10	**2001-440**	100 (4x25)

Protective warning marker,

with high-voltage symbol, black, for 5 terminal blocks

yellow	**2001-115**	100 (4x25)

Double-deck marker carrier,

pivoting

gray	**2000-121**	50 (2x25)

Marking strip, plain,

11 mm wide, 50 m roll

white	**2009-110**	1

Test plug adapter,

for 4 mm Ø test plug		
gray	**2009-174**	100 (4x25)

Testing tap,

for max. 2.5 mm²		
gray	**2009-182**	100 (4x25)

Banana plug,

for socket 4 mm Ø, color mixed	**215-111**	50

WMB Inline, plain,

stretchable 4 - 4.2 mm, 2,000 WMB markers, 4 mm, on roll		
white	**2009-114**	1

WMB Multi marking system,

10 strips with 10 markers per card, stretchable 4 - 4.2 mm		
plain	**793-4501**	5

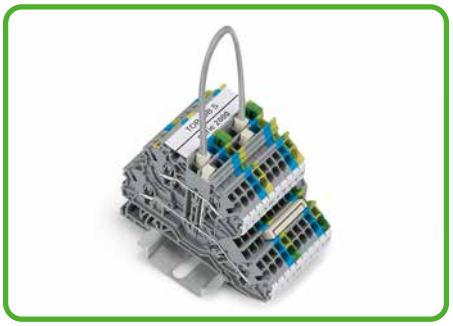
WMB Multi marking system, plain,

10 strips with 10 markers per card, stretchable 4 - 4.2 mm		
yellow	**793-4501/000-002**	
red	**793-4501/000-005**	
blue	**793-4501/000-006**	
gray	**793-4501/000-007**	
orange	**793-4501/000-012**	
light green	**793-4501/000-017**	
green	**793-4501/000-023**	
violet	**793-4501/000-024**	
		5

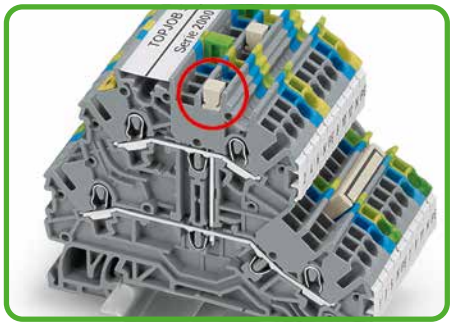
TOPJOB®S
Push-In Type Wire Jumpers and Vertical Jumpers for Double-Deck Terminal Blocks

Push-in type wire jumper **800 V/8 kV/3** **I_N 9 A** **Conductor size 0.75 mm²**	**Double-deck vertical jumper** **500 V/6 kV/3** **I_N 13.5 A**	

Item No.		Pack. Unit	Item No.		Pack. Unit	
Push-in type wire jumper, insulated, conductor cross section 0.75 mm², suitable for 2000 and 2020 Series rail-mounted terminal blocks			**Double-deck vertical jumper,** insulated			
L = 60 mm	**2009-402**	100 (10x10)	◯ light gray	**2000-492**	100 (4x25)	
L = 110 mm	**2009-404**	100 (10x10)				
L = 250 mm	**2009-406**	100 (10x10)				



Push down the wire jumper until fully inserted.
Lift the jumper with an operating tool for rewiring.

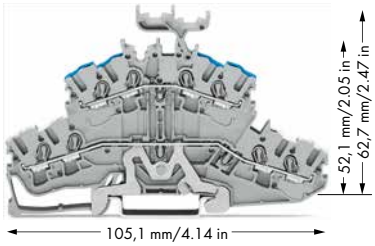


Double-deck vertical jumper, inserted.

TOPJOB®S
4-Conductor, Double-Deck Terminal Blocks 2.5 (4) mm²
2002 Series

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12
800 V/8 kV/3 ❷
I_N 24 A (28 A)

Terminal block width 5.2 mm / 0.205 in
10 - 12 mm / 0.43 in ❸



❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st";
Push-in conductor sizes: 0.75 mm² – 4 mm² "s"
and 0.75 mm² – 2.5 mm²
"insulated ferrule, 12 mm"

❷ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

❹ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Vertical jumper, page 142

Item No.		Pack. Unit
Shield conductor/through terminal block, with marker carrier, gray housing		
◯ Shield/N	**2002-2448**	50
◯ Shield/L	**2002-2458**	50
Shield conductor/through terminal block, without marker carrier, gray housing		
◯ Shield/N	**2002-2418**	50
◯ Shield/L	**2002-2428**	50

2002 Series Accessories

Appropriate marking systems: WMB/Marking strips/WMB Inline
(see Full Line Catalog, Volume 1, Section 13)

End and intermediate plate, 0.8 mm thick

orange	**2002-2492**	100 (4x25)
gray	**2002-2491**	100 (4x25)

Double-deck marker carrier,

pivoting gray	**2002-121**	50 (2x25)

Insulation stop,

5 pcs/strip, 0.25 - 0.5 mm², light gray	**2002-171**	200 (8x25)

Insulation stop,

5 pcs/strip, 0.75 - 1 mm², dark gray	**2002-172**	200 (8x25)

Push-in type jumper bar, insulated, ❹

I_N 25 A, light gray		
2-way	**2002-402**	200 (8x25)
3-way	**2002-403**	200 (8x25)
4-way	**2002-404**	200 (8x25)
5-way	**2002-405**	100 (4x25)
6-way	**2002-406**	100 (4x25)
7-way	**2002-407**	100 (4x25)
8-way	**2002-408**	100 (4x25)
9-way	**2002-409**	100 (4x25)
10-way	**2002-410**	100 (4x25)

Push-in type jumper bar, insulated,

I_N 25 A, light gray		
from 1 to 3	**2002-433**	200 (8x25)
from 1 to 4	**2002-434**	200 (8x25)
from 1 to 5	**2002-435**	100 (4x25)
from 1 to 6	**2002-436**	100 (4x25)
from 1 to 7	**2002-437**	100 (4x25)
from 1 to 8	**2002-438**	100 (4x25)
from 1 to 9	**2002-439**	100 (4x25)
from 1 to 10	**2002-440**	100 (4x25)

Double-deck vertical jumper, insulated,

❹

I_N 24 A, light gray	**2002-492**	100 (4x25)
orange	**2002-492/000-012**	

Protective warning marker,

with high-voltage symbol, black, for 5 terminal blocks, yellow	**2002-115**	100 (4x25)

Test plug adapter,

for 4 mm Ø test plug, gray	**2009-174**	100 (4x25)

Banana plug,

for socket 4 mm Ø, color mixed	**215-111**	50

Testing tap,

for max. 2.5 mm², gray	**2009-182**	100 (4x25)

WMB Multi marking system,

10 strips with 10 markers per card, stretchable 5 - 5.2 mm, plain	**793-5501**	5

WMB Multi marking system, plain,

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

WMB Inline, plain,

stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll, white	**2009-115**	1

Marking strip, plain,

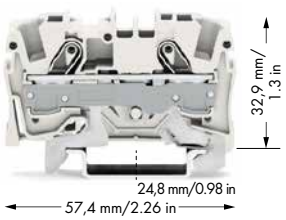
11 mm wide, 50 m roll, white	**2009-110**	1

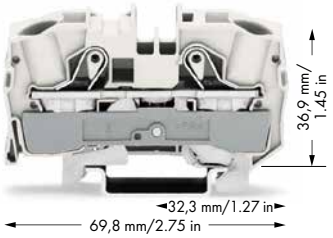
TOPJOB®S group marker carrier,

snap-on type for jumper slot, 5 mm wide, gray	**2009-191**	50 (2x25)

TOPJOB®S
Shield Terminal Blocks 6 (10) mm², 10 (16) mm² and 16 (25 "f") mm² 2006/2010/2016 Series

0.5 - 6 (10) mm² ❶ | AWG 20 - 8	0.5 - 10 (16) mm² ❷ | AWG 20 - 6	0.5 - 16 (25 "f") mm² ❸ | AWG 20 - 4
Terminal block width 7.5 mm / 0.295 in 13 - 15 mm / 0.55 in ❺	Terminal block width 10 mm / 0.394 in 17 - 19 mm / 0.71 in ❺	Terminal block width 12 mm / 0.472 in 18 - 20 mm / 0.75 in ❺





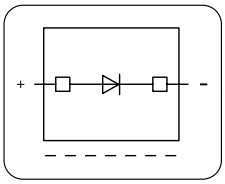
Item No.		Pack. Unit
2-conductor shield terminal block		
◯ white Ex	**2006-1208** ❹	50

Item No.		Pack. Unit
2-conductor shield terminal block		
◯ white Ex	**2010-1208** ❹	25

Item No.		Pack. Unit
2-conductor shield terminal block, 15mm-high DIN 35 rails shall be used for a current load higher than 76A!		
◯ white Ex	**2016-1208** ❹	20

TOPJOB®S
Pluggable Diode Modules on Carrier Terminal Blocks 2.5 (4) mm², 2002 Series

Diode module
with 1N4007 diode
U_N 250 V, U_{RM} 1000 V
I_N 1 A
Plug width 5.2 mm / 0.205 in



❶ Conductor sizes: 0.5 mm² – 10 mm² "s + f-st"; Push-in conductor sizes: 1 mm² – 10 mm² "s" and 1.5 mm² – 6 mm² "insulated ferrule, 12 mm"

❷ Conductor sizes: 0.5 mm² – 16 mm² "s + f-st"; Push-in conductor sizes: 2.5 mm² – 16 mm² "s" and 2.5 mm² – 10 mm² "insulated ferrule, 18 mm"

❸ Conductor sizes: 0.5 mm² – 16 mm² "s + f-st", 25 mm² "f-st"; Push-in conductor sizes: 2.5 mm² – 16 mm² "s" and 2.5 mm² – 16 mm² "insulated ferrule, 18 mm"

❹ Suitable for Ex e II applications

❺ Strip length, see packaging or instructions.

❶ Length of 2002-1661: 66.5 mm / 2.62 in 2-conductor carrier terminal block

❷ Length of 2002-1861: 87.5 mm / 3.45 in 4-conductor carrier terminal block

❸ Length of 2002-1961: 72.9 mm / 2.87 in 2-conductor carrier terminal block with additional jumper position

❹ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Staggered jumper, page 141
Push-in type wire jumper, page 140

Item No.		Pack. Unit
Diode module,		
with 1N4007 diode, max. operating temperature: 85 °C, 5.2 mm wide		
gray	**2002-800/1000-410**	100

Carrier Term. Blocks and Accessories

Appropriate marking system:
WMB/Marking strips

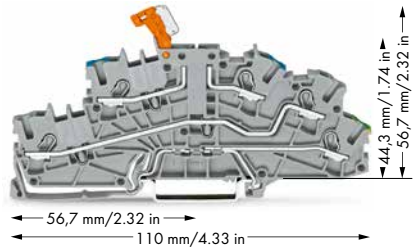
2-conductor carrier terminal block,			
❶	0.25 - 2.5 (4) mm² / AWG 22 - 12		
	Terminal block width 5.2 mm / 0.205 in		
	gray	**2002-1661**	50
End and intermediate plate, 1 mm thick			
	orange	**2002-1692**	100 (4x25)
	gray	**2002-1691**	100 (4x25)
4-conductor carrier terminal block,			
❷	0.25 - 2.5 (4) mm² / AWG 22 - 12		
	Terminal block width 5.2 mm / 0.205 in		
	gray	**2002-1861**	50
End and intermediate plate, 1 mm thick			
	orange	**2002-1892**	100 (4x25)
	gray	**2002-1891**	100 (4x25)
2-conductor carrier terminal block,			
❸	0.25 - 2.5 (4) mm² / AWG 22 - 12		
	Terminal block width 5.2 mm / 0.205 in		
	gray	**2002-1961**	50
End and intermediate plate, 1 mm thick			
	orange	**2002-1992**	100 (4x25)
	gray	**2002-1991**	100 (4x25)
Insulation stop,			
	5 pcs/strip,		
	0.25 - 0.5 mm²		
	light gray	**2002-171**	200 (8x25)
Insulation stop,			
	5 pcs/strip,		
	0.75 - 1 mm²		
	dark gray	**2002-172**	200 (8x25)

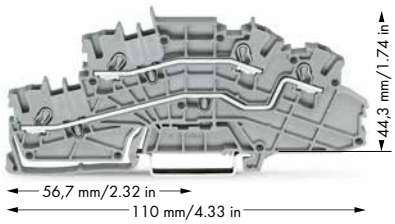
Accessories

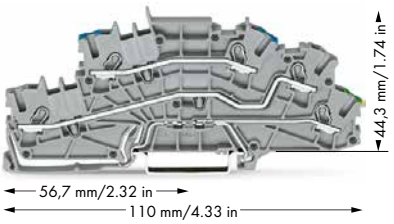
Push-in type wire jumper,			
❹	insulated,		
	I_N 18 A,		
	wire size 1.5 mm²		
	L = 60 mm	**2009-412**	100 (10x10)
	L = 110 mm	**2009-414**	100 (10x10)
	L = 250 mm	**2009-416**	100 (10x10)
Push-in type jumper bar, insulated,			
❹	I_N 25 A,		
	light gray		
	2-way	**2002-402**	200 (8x25)
	3-way	**2002-403**	200 (8x25)
	4-way	**2002-404**	200 (8x25)
	5-way	**2002-405**	100 (4x25)
	6-way	**2002-406**	100 (4x25)
	7-way	**2002-407**	100 (4x25)
	8-way	**2002-408**	100 (4x25)
	9-way	**2002-409**	100 (4x25)
	10-way	**2002-410**	100 (4x25)
Push-in type jumper bar, insulated,			
	I_N 25 A,		
	light gray		
	from 1 to 3	**2002-433**	200 (8x25)
	from 1 to 4	**2002-434**	200 (8x25)
	from 1 to 5	**2002-435**	100 (4x25)
	from 1 to 6	**2002-436**	100 (4x25)
	from 1 to 7	**2002-437**	100 (4x25)
	from 1 to 8	**2002-438**	100 (4x25)
	from 1 to 9	**2002-439**	100 (4x25)
	from 1 to 10	**2002-440**	100 (4x25)
Staggered jumper,			
❹	insulated,		
	I_N 25 A,		
	light gray		
	2-way	**2002-472**	100 (4x25)
	3-way	**2002-473**	100 (4x25)
	4-way	**2002-474**	100 (4x25)
	5-way	**2002-475**	50 (2x25)
	6-way	**2002-476**	50 (2x25)
	7-way	**2002-477**	50 (2x25)
	8-way	**2002-478**	50 (2x25)
	9-way	**2002-479**	50 (2x25)
	10-way	**2002-480**	50 (2x25)
	11-way	**2002-481**	50 (2x25)
	12-way	**2002-482**	50 (2x25)

TOPJOB®S
Multilevel Installation Terminal Blocks 2.5 (4) mm²
2003 Series

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 250 V/4 kV/3; 20 A (25 A) ❷ ❸ 400 V/6 kV/3; 20 A (25 A) ❷ ❹ Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❺	0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 400 V/6 kV/3 ❷ I_N 24 A (28 A) Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❺	0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 250 V/4 kV/3; 24 A (28 A) ❷ ❸ 400 V/6 kV/3; 24 A (28 A) ❷ ❹ Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❺



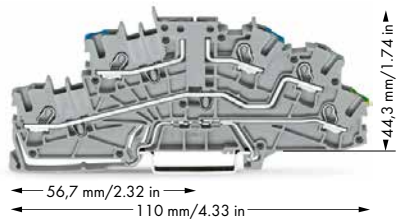


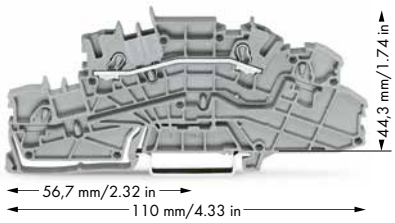


Item No.		Pack. Unit
Multilevel installation terminal block, with movable knife disconnect, gray		
◯ NTi/L/PE	**2003-6641**	50
◯ LTi/L/PE	**2003-6644**	50
Item-Specific Accessories		
Test plug adapter N/L, for vertical test slot, gray		
2-pole	**2003-499**	100 (4x25)
Test plug adapter N, for vertical test slot, gray		
1-pole	**2003-500**	100 (4x25)

Item No.		Pack. Unit
Multilevel installation terminal block, gray		
◯ L/L	**2003-6642**	50
◯ N/L	**2003-6649**	50

Item No.		Pack. Unit
Multilevel installation terminal block, gray		
◯ N/L/PE	**2003-6646**	50
◯ L/L/PE	**2003-6645**	50



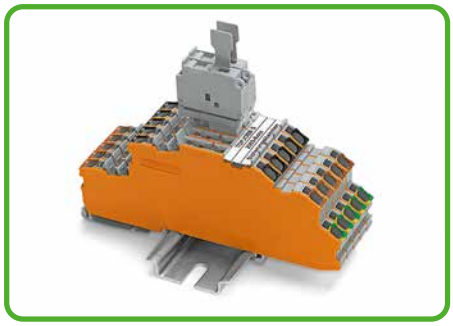


Item No.		Pack. Unit
Multilevel installation terminal block, I_N 10 A carrier terminal block without knife disconnect, gray Maximum current depends on accessories used.		
◯ N/L/PE	**2003-6640**	50
Black upper-deck, brown middle-deck, green-yellow lower-deck printing		
◯ P2/P1/PE	**2003-6643**	50
Brown upper-deck, black middle-deck, green-yellow lower-deck printing		
◯ P1/P2/PE	**2003-6660**	50
Item-Specific Accessories		
Fuse plug with pull-tab, for miniature metric fuses		
5 x 20 mm, nominal voltage and current are given by the fuse		
gray	**2004-911**	50
End and intermediate plate, only for use with fuse plugs, 1 mm thick		
orange	**2003-6693**	100 (4x25)

Item No.		Pack. Unit
Multilevel installation terminal block, gray		
◯ L	**2003-6650**	50
◯ N	**2003-6651**	50

Accessories for Multilevel Installation Terminal Blocks

Multilevel installation terminal block (2003-6641) with N/L test plug adapter (2003-499) for insulation resistance measurement with connected N and L potentials



In combination with the 1mm thick end and intermediate plate (2003-6693), the single fuse holder (2004-911) can also be used with the carrier terminal blocks (2003-6640 and 2003-6643).

❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrules, 12 mm"

❷ 250 V/
400 V = rated voltage
4 kV/
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ 250 V/4 kV potential-ground

❹ 400 V/6 kV potential-potential

❺ Strip length, see packaging or instructions.

Accessories Multilevel Installation Terminal Block

Push-in type jumper bars and staggered jumpers, see 2002 Series

End and intermediate plate,
for use without fuse plug,
0.8 mm thick

orange	**2003-6692**	100 (4x25)

Adjacent jumper for continuous commoning, insulated,
I_N 25 A,
light gray

2-way	**2002-400**	100 (4x25)

Busbar carrier,
not suitable as end stop,
for DIN 35 rail,
1.5 mm thick

blue	**2009-304**	100 (4x25)

Busbar carrier,
can replace end bracket, with detachable separator plate,
for DIN 35 rail,
7.5 mm thick

blue	**2009-305**	25

Push-in type jumper bar, insulated,
I_N 25 A,
light gray

2-way	**2002-402**	200 (8x25)
3-way	**2002-403**	200 (8x25)
4-way	**2002-404**	200 (8x25)
5-way	**2002-405**	100 (4x25)
6-way	**2002-406**	100 (4x25)
7-way	**2002-407**	100 (4x25)
8-way	**2002-408**	100 (4x25)
9-way	**2002-409**	100 (4x25)
10-way	**2002-410**	100 (4x25)

Push-in type jumper bar, insulated,
I_N 25 A,
light gray

from 1 to 3	**2002-433**	200 (8x25)
from 1 to 4	**2002-434**	200 (8x25)
from 1 to 5	**2002-435**	100 (4x25)
from 1 to 6	**2002-436**	100 (4x25)
from 1 to 7	**2002-437**	100 (4x25)
from 1 to 8	**2002-438**	100 (4x25)
from 1 to 9	**2002-439**	100 (4x25)
from 1 to 10	**2002-440**	100 (4x25)

Operating tool,
3.5 mm and 2.5 mm blade,
for TOPJOB®S installation terminal blocks

2009-309	50

Insulation stop,
5 pcs/strip,
0.25 - 0.5 mm²

light gray	**2002-171**	200 (8x25)

Insulation stop,
5 pcs/strip,
0.75 - 1 mm²

dark gray	**2002-172**	200 (8x25)

Staggered jumper,
insulated,
I_N 25 A,
light gray

2-way	**2002-472**	100 (4x25)
3-way	**2002-473**	100 (4x25)
4-way	**2002-474**	100 (4x25)
5-way	**2002-475**	50 (2x25)
6-way	**2002-476**	50 (2x25)
7-way	**2002-477**	50 (2x25)
8-way	**2002-478**	50 (2x25)
9-way	**2002-479**	50 (2x25)
10-way	**2002-480**	50 (2x25)
11-way	**2002-481**	50 (2x25)
12-way	**2002-482**	50 (2x25)

Push-in type wire jumper,
insulated,
I_N 18 A,
wire size 1.5 mm²

L = 60 mm	**2009-412**	100 (10x10)
L = 110 mm	**2009-414**	100 (10x10)
L = 250 mm	**2009-416**	100 (10x10)

WMB Multi marking system,
10 strips with 10 markers per card,
stretchable 5 - 5.2 mm

plain	**793-5501**	5

WMB Inline, plain,
stretchable 5 - 5.2 mm,
1,500 WMB markers, 5 mm, on roll

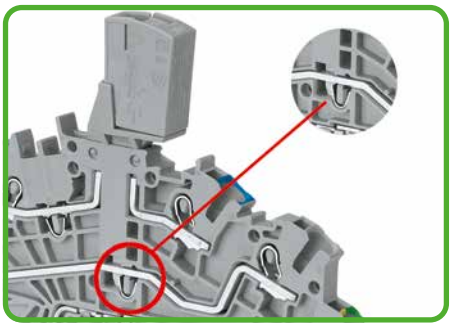
white	**2009-115**	1

Marking strip, plain,
11 mm wide,
50 m roll

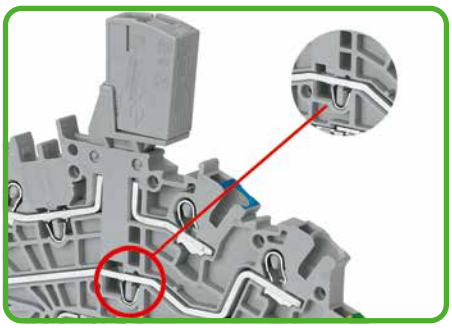
white	**2009-110**	1

Operating tool,
3.5 mm and 5.5 mm blade,
for TOPJOB®S installation terminal blocks

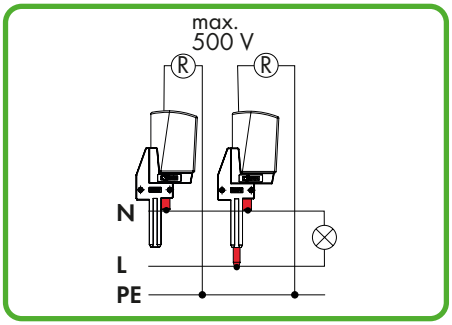
2009-310	50



Multilevel installation terminal block (2003-6640) with N/L test plug adapter (2003-499) for insulation resistance measurement with connected N and L potentials

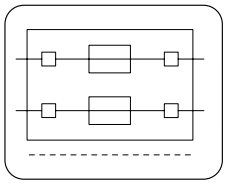


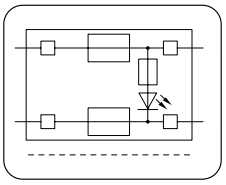
Multilevel installation terminal block (2003-6640) with N test plug adapter (2003-500) for insulation resistance measurement of N potential



TOPJOB®S
2003 Series Double Fuse Plugs on 2002 Series Carrier Terminal Blocks

Double fuse plug **for miniature metric fuses 5 x 20 mm** **250 V / I_N 6 A** **Plug width 10.4 mm / 0.409 in**	**Double fuse plug** **for miniature metric fuses 5 x 20 mm** **250 V / I_N 6 A** **Plug width 10.4 mm / 0.409 in**





Item No.		Pack. Unit
Double fuse plug,		
for miniature metric fuses 5 x 20 mm		
Both nominal voltage and current are given by the fuse.		
gray	**2003-911**	25

Item No.		Pack. Unit
Double fuse plug,		
for miniature metric fuses 5 x 20 mm,		
with indicator lamp, gray		
Both nominal voltage and current are given by the LED or fuse. Leakage current in case of blown fuse: LED 2mA		
12 - 30 V	**2003-911/1000-923**	25

Accessories

Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

2-conductor carrier terminal block,
❶ 0.25 - 2.5 (4) mm² / AWG 22 - 12
Terminal block width 5.2 mm / 0.205 in

gray	**2002-1661**	50

End and intermediate plate, 1 mm thick

orange	**2002-1692**	100 (4x25)
gray	**2002-1691**	100 (4x25)

4-conductor carrier terminal block,
❷ 0.25 - 2.5 (4) mm² / AWG 22 - 12
Terminal block width 5.2 mm / 0.205 in

gray	**2002-1861**	50

End and intermediate plate, 1 mm thick

orange	**2002-1892**	100 (4x25)
gray	**2002-1891**	100 (4x25)

2-conductor carrier terminal block,
❸ 0.25 - 2.5 (4) mm² / AWG 22 - 12
Terminal block width 5.2 mm / 0.205 in

gray	**2002-1961**	50

End and intermediate plate, 1 mm thick

orange	**2002-1992**	100 (4x25)
gray	**2002-1991**	100 (4x25)

Double-deck carrier terminal block,
0.25 - 2.5 (4) mm² / AWG 22 - 12
Terminal block width 5.2 mm / 0.205 in

L/L	**2002-2961**	50

Double-deck carrier terminal block,
0.25 - 2.5 (4) mm² / AWG 22 - 12
Terminal block width 5.2 mm / 0.205 in

L/N	**2002-2963**	50

End and intermediate plate, 1 mm thick

orange	**2002-2992**	100 (4x25)
gray	**2002-2991**	100 (4x25)

End plate for fuse terminal blocks,
2 mm thick

orange	**2002-992**	100 (4x25)
gray	**2002-991**	100 (4x25)

Shorting link, 5 x 20 mm,
if the fuse plug is used as disconnect plug

I_N 6.3 A		250 (10x25)
	281-503	

Accessories

WMB Multi marking system,

10 strips with 10 markers per card,
stretchable 5 - 5.2 mm

plain	**793-5501**	5

WMB Multi marking system, plain,

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

TOPJOB®S
Colored Push-In Type Jumper Bars
2000 Series

Push-in type jumper bar	Push-in type jumper bar	

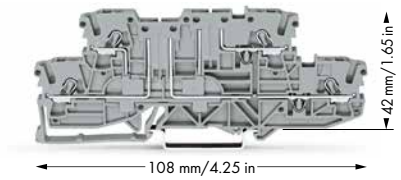



Item No.	Pack. Unit	Item No.	Pack. Unit	
Push-in type jumper bar, insulated,		**Push-in type jumper bar,** insulated,		
I_N 14 A,		I_N 14 A,		
red		blue		
2-way	**2000-402/000-005**	2-way	**2000-402/000-006**	
3-way	**2000-403/000-005**	3-way	**2000-403/000-006**	
4-way	**2000-404/000-005**	4-way	**2000-404/000-006**	
	200 (8x25)		200 (8x25)	
5-way	**2000-405/000-005**	5-way	**2000-405/000-006**	
6-way	**2000-406/000-005**	6-way	**2000-406/000-006**	
7-way	**2000-407/000-005**	7-way	**2000-407/000-006**	
8-way	**2000-408/000-005**	8-way	**2000-408/000-006**	
9-way	**2000-409/000-005**	9-way	**2000-409/000-006**	
10-way	**2000-410/000-005**	10-way	**2000-410/000-006**	
	100 (4x25)		100 (4x25)	

TOPJOB®S
Double-Deck Carrier Terminal Blocks
2.5 (4) mm², 2002 Series

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12
400 V/6 kV/3 ❷
I_N 16 A

Terminal block width 5.2 mm / 0.205 in
10 - 12 mm / 0.43 in ❸



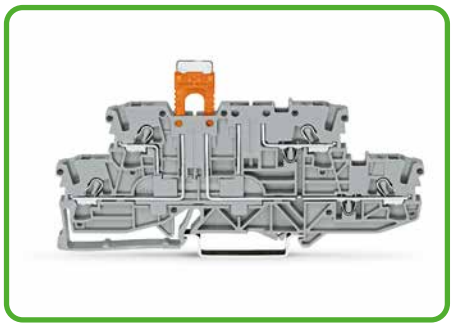
❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrules, 12 mm"

❷ 400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

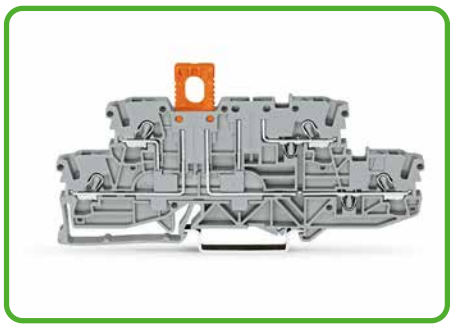
❸ Strip length, see packaging or instructions.

❹ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Push-in type wire jumper, page 140

	Item No.	Pack. Unit
Double-deck carrier terminal Block, same profile as double-deck, double-disconnect terminal block, gray housing		
L/L	**2002-2941**	50
Double-deck carrier terminal Block, same profile as double-deck, double-disconnect terminal block, blue housing		
N/N	**2002-2944**	50



Carrier terminal block (2002-2941) with disconnect plug (2002-401) in parked position.



Carrier terminal block (2002-2941) with disconnect plug (2002-401) in operating position.

2002 Series Accessories

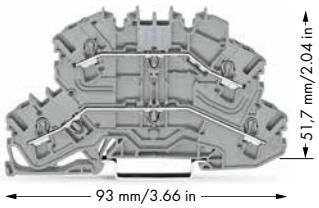
Appropriate marking systems: WMB/Marking strips (see Section 13)

End and intermediate plate, 1 mm thick			
	orange	**2002-2992**	100 (4x25)
	gray	**2002-2991**	100 (4x25)
Insulation stop,			
	5 pcs/strip, 0.25 - 0.5 mm²		
	light gray	**2002-171**	200 (8x25)
Insulation stop,			
	5 pcs/strip, 0.75 - 1 mm²		
	dark gray	**2002-172**	200 (8x25)
Push-in type jumper bar, insulated, ❹			
	I_N 25 A, light gray		
	2-way	**2002-402**	200 (8x25)
	3-way	**2002-403**	200 (8x25)
	4-way	**2002-404**	200 (8x25)
	5-way	**2002-405**	100 (4x25)
	6-way	**2002-406**	100 (4x25)
	7-way	**2002-407**	100 (4x25)
	8-way	**2002-408**	100 (4x25)
	9-way	**2002-409**	100 (4x25)
	10-way	**2002-410**	100 (4x25)
Push-in type wire jumper, ❹			
	insulated, I_N 18 A, wire size 1.5 mm²		
	L = 60 mm	**2009-412**	100 (10x10)
	L = 110 mm	**2009-414**	100 (10x10)
	L = 250 mm	**2009-416**	100 (10x10)

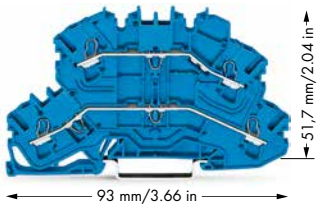
Push-in type jumper bar, insulated,			
	I_N 25 A, light gray		
	from 1 to 3	**2002-433**	200 (8x25)
	from 1 to 4	**2002-434**	200 (8x25)
	from 1 to 5	**2002-435**	100 (4x25)
	from 1 to 6	**2002-436**	100 (4x25)
	from 1 to 7	**2002-437**	100 (4x25)
	from 1 to 8	**2002-438**	100 (4x25)
	from 1 to 9	**2002-439**	100 (4x25)
	from 1 to 10	**2002-440**	100 (4x25)
Protective warning marker,			
	with high-voltage symbol, black, for 5 terminal blocks		
	yellow	**2002-115**	100 (4x25)
WMB Multi marking system,			
	10 strips with 10 markers per card, stretchable 5 - 5.2 mm		
	plain	**793-5501**	5
WMB Multi marking system, plain,			
	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

TOPJOB®S
Double-Deck Terminal Blocks 2.5 (4) mm²
2002 Series

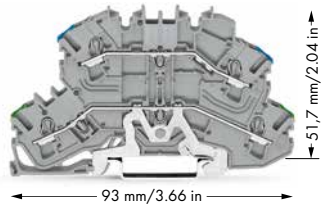
0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 **500 V/6 kV/3 ❷** **I_N 24 A (28 A)** **Terminal block width 5.2 mm / 0.205 in** **10 - 12 mm / 0.43 in ❸**	**0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12** **500 V/6 kV/3 ❷** **I_N 24 A (28 A)** **Terminal block width 5.2 mm / 0.205 in** **10 - 12 mm / 0.43 in ❸**	**0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12** **500 V/6 kV/3 ❷** **I_N 24 A (28 A)** **Terminal block width 5.2 mm / 0.205 in** **10 - 12 mm / 0.43 in ❸**



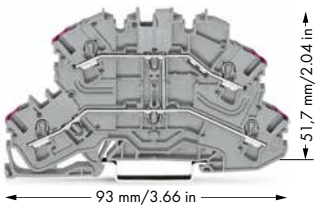
Item No.		Pack. Unit
Through/through terminal block,		
same profile as double-deck disconnect terminal block		
without marker carrier,		
gray housing		
◯ L/L	**2002-2601**	50
◯ N/L	**2002-2602**	50
◯ L/N	**2002-2603**	50
Other terminal blocks with the same profile:		
Carrier	**2002-2661**	Page 16
Disconnect	**2002-2671**	Page 16
Fuse	**2002-2611**	Page 17



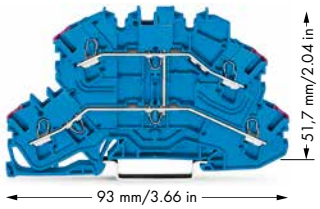
Item No.		Pack. Unit
Through/through terminal block,		
same profile as double-deck disconnect terminal block		
without marker carrier,		
blue housing		
◯ N/N	**2002-2604 ❹**	50



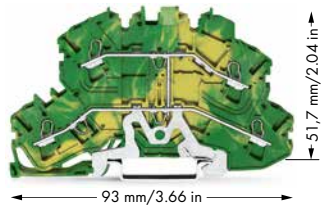
Item No.		Pack. Unit
Ground conductor/through terminal block,		
same profile as double-deck disconnect terminal block		
without marker carrier,		
gray housing		
◯ PE/N	**2002-2647**	50
◯ PE/L	**2002-2657**	50



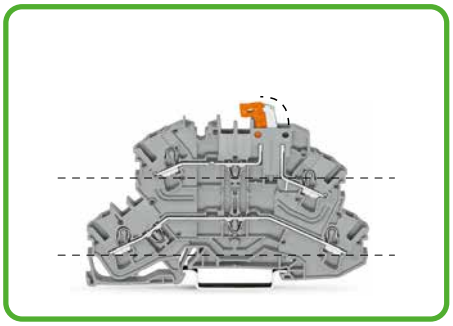
Item No.		Pack. Unit
4-conductor through terminal block,		
same profile as double-deck disconnect terminal block,		
without marker carrier, internal commoning, conductor		
entry position colored in violet,		
gray housing		
◯ L	**2002-2608**	50



Item No.		Pack. Unit
4-conductor through terminal block,		
same profile as double-deck disconnect terminal block,		
without marker carrier, internal commoning, conductor		
entry position colored in violet,		
blue housing		
◯ N	**2002-2609 ❹**	50

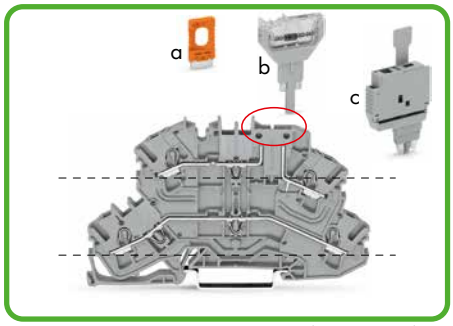


Item No.		Pack. Unit
Through/through terminal block,		
same profile as double-deck disconnect terminal block		
without marker carrier, internal commoning,		
green-yellow housing		
◑ PE	**2002-2607**	50



Multifunctional terminal blocks:
The double-deck disconnect terminal block with movable knife disconnect (2002-2671) can be used as through terminal block on the lower deck and as disconnect terminal block on the upper deck.

Besides disconnection and measurement, the **2002-2667 double-deck carrier terminal block** also provides ground conductor functionality.



The associated **carrier terminal block (2002-2661)** has the same design as the disconnect terminal block. However, disconnect plugs (a: 2002-401), pluggable diode (b: 2002-800/1000-411) and LED modules (not shown here, 2002-800/1000-541) or fuse plugs (c: 2004-911) can alternatively be used here.

❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"

❷ 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

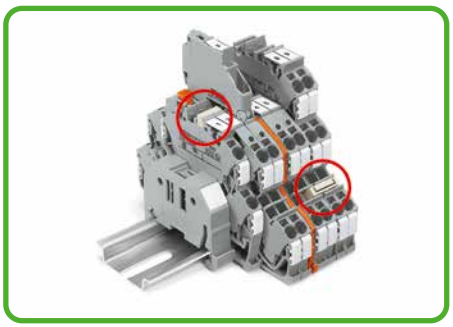
❸ Strip length, see packaging or instructions.

❹ Suitable for Ex i applications

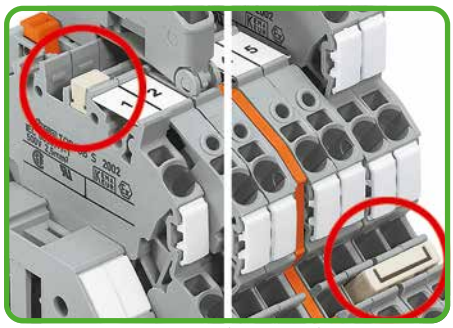
❺ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Vertical jumper, page 142

The **double-deck fuse disconnect terminal block with pivoting fuse holder (2002-2611, gray)** is compatible with disconnect, carrier, through and ground conductor terminal blocks. The fuse holder is also available with a blown fuse LED indicator.
(e.g., 2002-2611/1000-541 for 12–30 V)

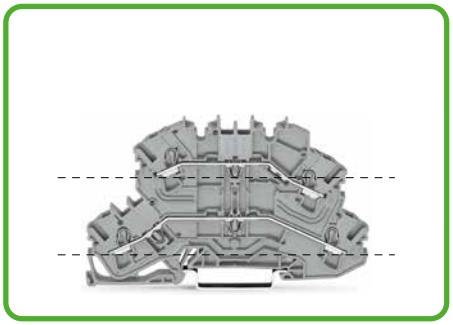
An **end plate for fuse terminal blocks (shown in orange, 2002-1092)** is used for additional protection, preventing the fuse shaft from being opened. The fuse cannot be replaced until disconnecting the fuse holder from the power supply.



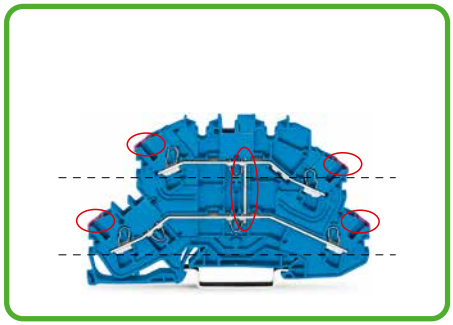
Same profile allows for commoning with TOPJOB® S double-deck terminal blocks (upper deck) and with triple-deck terminal blocks (lower deck).



Left picture – Vertical jumper **(2002-492)**
Right picture – Push-in type jumper bar for 2002 Series



The **through terminal block (2002-2601)** features two independent current bars on both lower and upper deck, sharing the same profile as the disconnect terminal block. Commoning is also possible for these terminal blocks using the double-deck vertical jumper (2002-492).



The **4-conductor through terminal block (2002-2609)** with internal commoning can be immediately identified via violet-colored conductor entry.

2002 Series Accessories

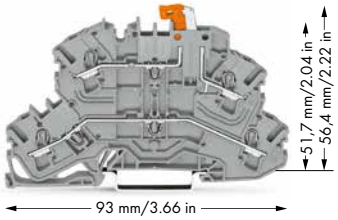
Appropriate marking systems: WMB/Marking strips/WMB Inline

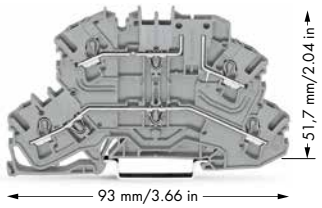
End and intermediate plate,			
	1 mm thick		
	orange	**2002-2692**	100 (4x25)
	gray	**2002-2691**	100 (4x25)
Double-deck marker carrier,			
	pivoting		
	gray	**2002-121**	50 (2x25)
Insulation stop,			
	5 pcs/strip, 0.25 - 0.5 mm²		
	light gray	**2002-171**	200 (8x25)
Insulation stop,			
	5 pcs/strip, 0.75 - 1 mm²		
	dark gray	**2002-172**	200 (8x25)
Push-in type jumper bar, insulated,			
❺ 	I_N 25 A,		
	light gray		
	2-way	**2002-402**	200 (8x25)
	3-way	**2002-403**	200 (8x25)
	4-way	**2002-404**	200 (8x25)
	5-way	**2002-405**	100 (4x25)
	6-way	**2002-406**	100 (4x25)
	7-way	**2002-407**	100 (4x25)
	8-way	**2002-408**	100 (4x25)
	9-way	**2002-409**	100 (4x25)
	10-way	**2002-410**	100 (4x25)
Push-in type jumper bar, insulated,			
	I_N 25 A,		
	light gray		
	from 1 to 3	**2002-433**	200 (8x25)
	from 1 to 4	**2002-434**	200 (8x25)
	from 1 to 5	**2002-435**	100 (4x25)
	from 1 to 6	**2002-436**	100 (4x25)
	from 1 to 7	**2002-437**	100 (4x25)
	from 1 to 8	**2002-438**	100 (4x25)
	from 1 to 9	**2002-439**	100 (4x25)
	from 1 to 10	**2002-440**	100 (4x25)
Double-deck vertical jumper, insulated,			
❺	I_N 24 A		
	light gray	**2002-492**	100 (4x25)
	orange	**2002-492/000-012**	
Adjacent jumper for continuous commoning, insulated,			
	I_N 25 A,		
	light gray		
	2-way	**2002-400**	100 (4x25)

TOPJOB®S
Double-Deck Disconnect Terminal Blocks and Carrier Terminal Blocks 2.5 (4) mm², 2002 Series

CAGE CLAMP®S

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 **400 V/6 kV/3 ❷** **I_N 16 A** **Terminal block width 5.2 mm / 0.205 in** **10 - 12 mm / 0.43 in ❸**	**0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12** **400 V/6 kV/3 ❷** **I_N 16 A** **Terminal block width 5.2 mm / 0.205 in** **10 - 12 mm / 0.43 in ❸**





❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st";
Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"

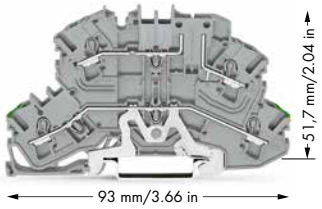
❷ 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

❹ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Vertical jumper, page 142

	Item No.	Pack. Unit
Double-deck disconnect terminal block,		
with movable knife disconnect,		
gray housing		
◯ L/L	**2002-2671**	50
◯ N/L	**2002-2672**	50

	Item No.	Pack. Unit
Double-deck carrier terminal block,		
upper deck carrier,		
gray housing		
◯ L/L	**2002-2661**	50
◯ N/L	**2002-2662**	50



	Item No.	Pack. Unit
Double-deck carrier terminal block,		
upper deck carrier,		
gray housing		
◯ PE/L	**2002-2667**	50

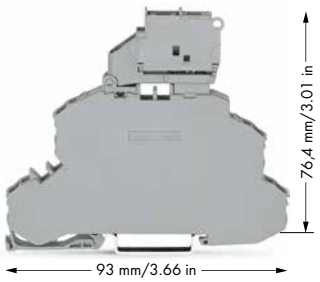
2002 Series Accessories

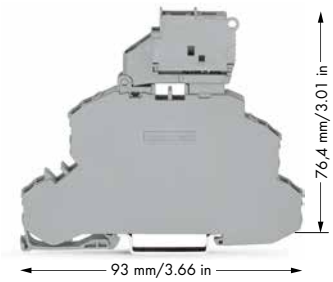
Appropriate marking systems: WMB/Marking strips/WMB Inline

End and intermediate plate,			
	1 mm thick		
	orange	**2002-2692**	100 (4x25)
	gray	**2002-2691**	100 (4x25)
Double-deck marker carrier,			
	pivoting		
	gray	**2002-121**	50 (2x25)
Insulation stop,			
	5 pcs/strip,		
	0.25 - 0.5 mm²		
	light gray	**2002-171**	200 (8x25)
Insulation stop,			
	5 pcs/strip,		
	0.75 - 1 mm²		
	dark gray	**2002-172**	200 (8x25)
Push-in type jumper bar, insulated,			
❹ 	I_N 25 A,		
	light gray		
	2-way	**2002-402**	200 (8x25)
	3-way	**2002-403**	200 (8x25)
	4-way	**2002-404**	200 (8x25)
	5-way	**2002-405**	100 (4x25)
	6-way	**2002-406**	100 (4x25)
	7-way	**2002-407**	100 (4x25)
	8-way	**2002-408**	100 (4x25)
	9-way	**2002-409**	100 (4x25)
	10-way	**2002-410**	100 (4x25)
Push-in type jumper bar, insulated,			
	I_N 25 A,		
	light gray		
	from 1 to 3	**2002-433**	200 (8x25)
	from 1 to 4	**2002-434**	200 (8x25)
	from 1 to 5	**2002-435**	100 (4x25)
	from 1 to 6	**2002-436**	100 (4x25)
	from 1 to 7	**2002-437**	100 (4x25)
	from 1 to 8	**2002-438**	100 (4x25)
	from 1 to 9	**2002-439**	100 (4x25)
	from 1 to 10	**2002-440**	100 (4x25)
Double-deck vertical jumper, insulated,			
❹ 	I_N 24 A		
	light gray	**2002-492**	100 (4x25)
	orange	**2002-492/000-012**	
Adjacent jumper for continuous commoning, insulated,			
	I_N 25 A,		
	light gray		
	2-way	**2002-400**	100 (4x25)

TOPJOB®S
Double-Deck Fuse Disconnect Terminal Blocks with Pivoting Fuse Holder 2.5 (4) mm², 2002 Series

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 **250 V/6 kV/3 ❷** **I_N 6.3 A** **Terminal block width 6.2 mm / 0.244 in** **10 - 12 mm / 0.43 in ❸**	**0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12** **250 V/6 kV/3 ❷** **I_N 6.3 A** **Terminal block width 6.2 mm / 0.244 in** **10 - 12 mm / 0.43 in ❸**





❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"

❷ 250 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

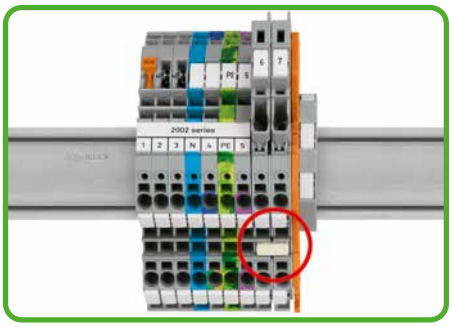
❹ See application notes in Full Line Catalog, Volume 1, for:
Vertical jumper, page 142

❺ Protective warning marker and insulation stop must be applied individually.

❻ Due to the 6.2 mm width of fuse terminal blocks with pivoting fuse holder, 2004 Series jumpers must be used.

	Item No.	Pack. Unit
Double-deck fuse disconnect terminal block with pivoting fuse holder, Through/fuse terminal block, for miniature metric fuses 5 x 20 mm, without blown fuse indication. Nominal voltage and current are given by the fuse.		
L/L	**2002-2611**	25
N/L	**2002-2612**	25

	Item No.	Pack. Unit
Double-deck fuse disconnect terminal block with pivoting fuse holder, Through/fuse terminal block, for miniature metric fuses 5 x 20 mm, with blown fuse indication by LED, gray. Nominal voltage and current are given by the LED or fuse. Leakage current in case of blown fuse: LED 2mA		
12 - 30 V	**2002-2611/1000-541**	25
30 - 65 V	**2002-2611/1000-542**	25
230 V	**2002-2611/1000-836**	25



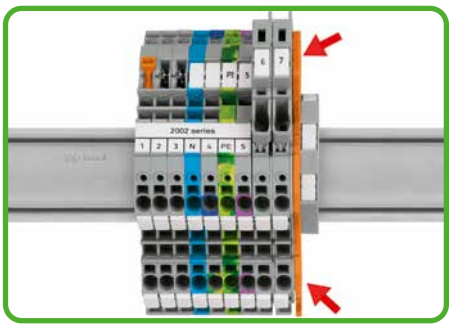
A spacer plate is supplied with all 6.2 mm wide fuse terminal blocks.
Due to the 6.2 mm width of fuse terminal blocks with pivoting fuse holder, 2004 Series jumpers must be used.

2002 Series Accessories

Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

		Item No.	Pack. Unit
End and intermediate plate, 1 mm thick	orange	**2002-2692**	100 (4x25)
	gray	**2002-2691**	100 (4x25)
Push-in type jumper bar, insulated, ❹ ❻ I_N 32 A, light gray	2-way	**2004-402**	200 (8x25)
	3-way	**2004-403**	200 (8x25)
	4-way	**2004-404**	100 (4x25)
	5-way	**2004-405**	100 (4x25)
	6-way	**2004-406**	100 (4x25)
	7-way	**2004-407**	100 (4x25)
	8-way	**2004-408**	100 (4x25)
	9-way	**2004-409**	100 (4x25)
	10-way	**2004-410**	100 (4x25)
Push-in type jumper bar, insulated, I_N 32 A, light gray	from 1 to 3	**2004-433**	200 (8x25)
	from 1 to 4	**2004-434**	200 (8x25)
	from 1 to 5	**2004-435**	100 (4x25)
	from 1 to 6	**2004-436**	100 (4x25)
	from 1 to 7	**2004-437**	100 (4x25)
	from 1 to 8	**2004-438**	100 (4x25)
	from 1 to 9	**2004-439**	100 (4x25)
	from 1 to 10	**2004-440**	100 (4x25)
Double-deck vertical jumper, insulated, ❹ I_N 24 A, light gray		**2002-492**	100 (4x25)
orange		**2002-492/000-012**	

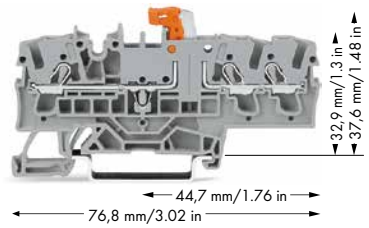
		Item No.	Pack. Unit
End plate for fuse terminal blocks, 2 mm thick	orange	**2002-1092**	100 (4x25)
	gray	**2002-1091**	100 (4x25)
Insulation stop, ❺ 5 pcs/strip, 0.25 - 0.5 mm²	light gray	**2002-171**	200 (8x25)
Insulation stop, 5 pcs/strip, 0.75 - 1 mm²	dark gray	**2002-172**	200 (8x25)
Protective warning marker, ❺ with high-voltage symbol, black, for 5 terminal blocks	yellow	**2002-115**	100 (4x25)
Test plug, with 500 mm cable, 2 mm Ø	red	**210-136**	50
Test plug, with 500 mm cable, 2.3 mm Ø	yellow	**210-137**	50
Marking strip, plain, 11 mm wide, 50 m roll	white	**2009-110**	1

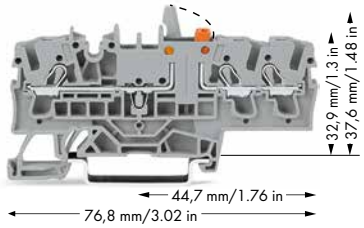


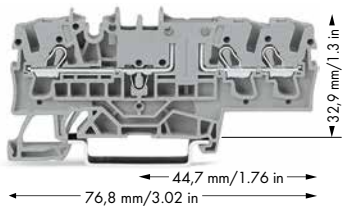
Additionally, an end plate for fuse terminal blocks (e.g., 2002-1092, orange) must be used at the end of an assembly or if there is **no** adjacent fuse terminal block.

TOPJOB®S
Disconnect Terminal Blocks for Test and Measurement, Through Terminal Blocks of Same Profile 2.5 (4) mm², 2002 Series

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 400 V/6 kV/3 ❷ | 300 V, 15 A I_N 16 A | 300 V, 10 A Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸	0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 400 V/6 kV/3 ❷ I_N 16 A Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸	0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 400 V/6 kV/3 ❷ | 300 V, 15 A I_N 16 A | 300 V, 10 A Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸







Item No.		Pack. Unit
3-conductor disconnect terminal block for test and measurement,		
with test point,		
orange disconnect link		
gray	**2002-1771**	50
blue	**2002-1774**	50
orange	**2002-1772**	50

Item No.		Pack. Unit
3-conductor disconnect terminal block for test and measurement with mechanical interlock,		
with test point,		
orange disconnect link		
gray	**2002-1771/401-000**	50
blue	**2002-1774/401-000**	50
orange	**2002-1772/401-000**	50

Item No.		Pack. Unit
3-conductor through terminal block,		
with test point,		
same profile as 3-conductor disconnect terminal block		
gray	**2002-1701**	50
blue	**2002-1704**	50
orange	**2002-1702**	50
2-conductor ground terminal block		
green-yellow	**2002-1707**	50
Other terminal blocks with the same profile:		
Carrier	**2002-1761**	Page 23
Fuse	**2002-1781**	Page 23

2002 Series Accessories

Appropriate marking systems: WMB/Marking strips/WMB Inline
(see Full Line Catalog, Volume 1, Section 13)

End and intermediate plate, 1 mm thick

orange	**2002-1792**	100 (4x25)
gray	**2002-1791**	100 (4x25)

Insulation stop,

5 pcs/strip,		
0.25 - 0.5 mm²		
light gray	**2002-171**	200 (8x25)

Insulation stop,

5 pcs/strip,		
0.75 - 1 mm²		
dark gray	**2002-172**	200 (8x25)

Push-in type jumper bar, insulated,

❹

I_N 25 A,		
light gray		
2-way	**2002-402**	200 (8x25)
3-way	**2002-403**	200 (8x25)
4-way	**2002-404**	200 (8x25)
5-way	**2002-405**	100 (4x25)
6-way	**2002-406**	100 (4x25)
7-way	**2002-407**	100 (4x25)
8-way	**2002-408**	100 (4x25)
9-way	**2002-409**	100 (4x25)
10-way	**2002-410**	100 (4x25)

Push-in type wire jumper,

❹

insulated,		
I_N 18 A,		
wire size 1.5 mm²		
L = 60 mm	**2009-412**	100 (10x10)
L = 110 mm	**2009-414**	100 (10x10)
L = 250 mm	**2009-416**	100 (10x10)

Push-in type jumper bar, insulated,

I_N 25 A,		
light gray		
from 1 to 3	**2002-433**	200 (8x25)
from 1 to 4	**2002-434**	200 (8x25)
from 1 to 5	**2002-435**	100 (4x25)
from 1 to 6	**2002-436**	100 (4x25)
from 1 to 7	**2002-437**	100 (4x25)
from 1 to 8	**2002-438**	100 (4x25)
from 1 to 9	**2002-439**	100 (4x25)
from 1 to 10	**2002-440**	100 (4x25)

Staggered jumper,

❹

insulated,		
I_N 25 A,		
light gray		
2-way	**2002-472**	100 (4x25)
3-way	**2002-473**	100 (4x25)
4-way	**2002-474**	100 (4x25)
5-way	**2002-475**	50 (2x25)
6-way	**2002-476**	50 (2x25)
7-way	**2002-477**	50 (2x25)
8-way	**2002-478**	50 (2x25)
9-way	**2002-479**	50 (2x25)
10-way	**2002-480**	50 (2x25)
11-way	**2002-481**	50 (2x25)
12-way	**2002-482**	50 (2x25)

Adjacent jumper for continuous commoning, insulated,

❹

I_N 25 A,		
light gray		
2-way	**2002-400**	100 (4x25)

Customized staggered jumper,

insulated,		
I_N 25 A,		
light gray		
1-3	**2002-473/011-000**	100 (4x25)
1-3-5	**2002-475/011-000**	
1-3-5-7	**2002-477/011-000**	
1-3-5-7-9	**2002-479/011-000**	
1-3-5-7-9-11	**2002-481/011-000**	50 (2x25)

Protective warning marker,

with high-voltage symbol, black,		
for 5 terminal blocks		
yellow	**2002-115**	100 (4x25)

Testing tap,

for max. 2.5 mm²		
gray	**2009-182**	100 (4x25)

Test plug adapter,

for 4 mm Ø test plug		
gray	**2009-174**	100 (4x25)

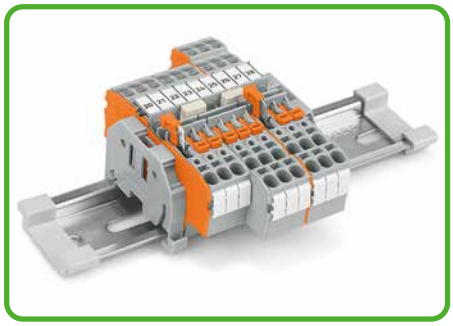
Banana plug,

for socket 4 mm Ø,		
color mixed		
	215-111	50

TOPJOB®S L-test plug module,

❹

can be snapped together		
gray	**2002-611**	100 (4x25)



One center and two side marker slots for WMB markers or marking strips. Dual jumper slots, in the same position as the 2002 Series terminal blocks. Commoning options in front of or behind the knife disconnect, depending on the power supply direction.

❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrules, 12 mm"

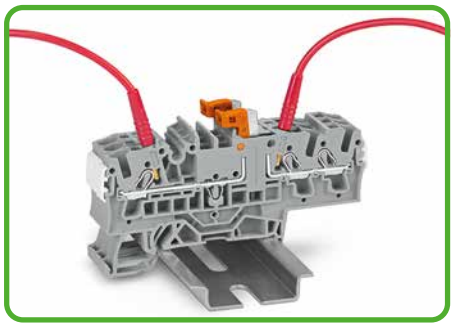
❷ 400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

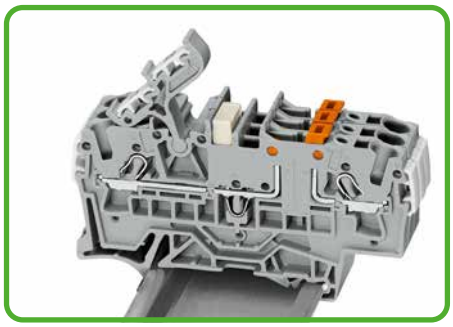
❹ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Staggered jumper, page 141
Adjacent jumper for continuous commoning, page 139
Push-in type wire jumper, page 140
TOPJOB®S connector, page 134
TOPJOB®S L-type test plug module, page 136

Accessories

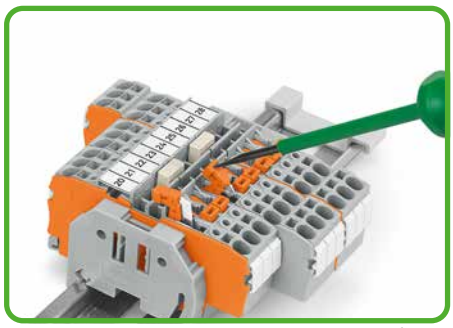
Modular TOPJOB®S connector,			
❹ 	can be snapped together, for jumper contact slot		
	gray	**2002-511**	100 (4x25)
Spacer module, can be snapped together,			
	e.g., for bridging commoned terminal blocks		
	gray	**2002-549**	100 (4x25)
End plate,			
	for modular TOPJOB®S connectors, 1.5 mm thick		
	gray	**2002-541**	100 (4x25)
Double-deck marker carrier,			
	pivoting		
	gray	**2002-121**	50 (2x25)
WMB Multi marking system,			
	10 strips with 10 markers per card, stretchable 5 - 5.2 mm		
	plain	**793-5501**	5
WMB Inline, plain,			
	stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll		
	white	**2009-115**	1
Marking strip, plain,			
	11 mm wide, 50 m roll		
	white	**2009-110**	1



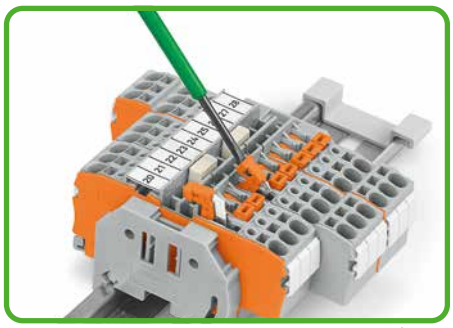
Testing with test plug 2 mm Ø



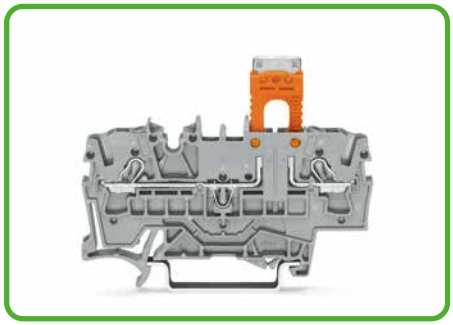
Additional marking option via pivoting marking adapter



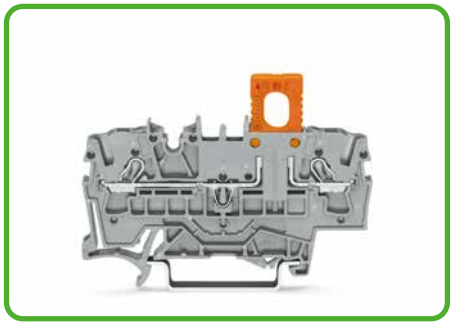
2- and 4-conductor disconnect terminal blocks for test und measurement
Opening the knife disconnect.



2- and 4-conductor disconnect terminal blocks for test and measurement
Closing the knife disconnect.



Carrier terminal block with disconnect plug in operating position.



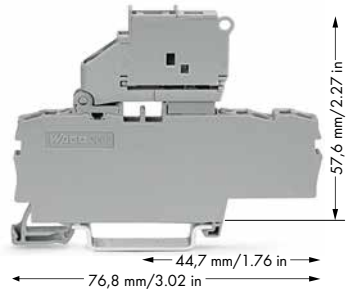
Carrier terminal block with disconnect plug in parked position.

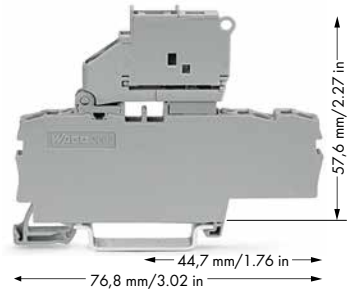
TOPJOB®S
Fuse Disconnect Terminal Blocks with Pivoting Fuse Holder 2.5 (4) mm² for Miniature Metric Fuses 5 x 20 mm, 2002 Series

CAGE CLAMP®S

0.25 - 2.5 (4) mm² ❶	AWG 22 - 12
250 V/6 kV/3 ❷	250 V, 6 A
I_N 6.3 A	250 V, 6 A
Terminal block width 6.2 mm / 0.244 in	
10 - 12 mm / 0.43 in ❸	

0.25 - 2.5 (4) mm² ❶	AWG 22 - 12
250 V/6 kV/3 ❷	
I_N 6.3 A	
Terminal block width 6.2 mm / 0.244 in	
10 - 12 mm / 0.43 in ❸	





❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"

❷ 250 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

❹ See application notes in Full Line Catalog, Volume 1, for: Push-in type wire jumper, page 140

Item No.		Pack. Unit
3-conductor fuse disconnect terminal block with pivoting fuse holder,		
for miniature metric fuses 5 x 20 mm,		
without blown fuse indication		
Both nominal voltage and current are given by the fuse.		
gray	**2002-1711**	50

Item No.		Pack. Unit
3-conductor fuse disconnect terminal block with pivoting fuse holder,		
for miniature metric fuses 5 x 20 mm,		
with blown fuse indication by LED, gray		
Both nominal voltage and current are given by the LED or fuse. Leakage current in case of blown fuse: LED 2mA		
12 - 30 V	**2002-1711/1000-541**	50
30 - 65 V	**2002-1711/1000-542**	50
230 V	**2002-1711/1000-836**	50
120 V	**2002-1711/1000-867**	50

Accessories

Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

End plate for fuse terminal blocks,
2 mm thick

orange	**2002-992**	100 (4x25)
gray	**2002-991**	100 (4x25)

Insulation stop,
5 pcs/strip,
0.25 - 0.5 mm²

light gray	**2002-171**	200 (8x25)

Insulation stop,
5 pcs/strip,
0.75 - 1 mm²

dark gray	**2002-172**	200 (8x25)

Push-in type wire jumper, ❹
insulated,
I_N 16 A,
wire size 1.5 mm²

L = 60 mm	**2009-412**	100 (10x10)
L = 110 mm	**2009-414**	100 (10x10)
L = 250 mm	**2009-416**	100 (10x10)

Push-in type jumper bar, insulated,
I_N 32 A,
light gray

2-way	**2004-402**	200 (8x25)
3-way	**2004-403**	200 (8x25)
4-way	**2004-404**	100 (4x25)
5-way	**2004-405**	100 (4x25)
6-way	**2004-406**	100 (4x25)
7-way	**2004-407**	100 (4x25)
8-way	**2004-408**	100 (4x25)
9-way	**2004-409**	100 (4x25)
10-way	**2004-410**	100 (4x25)

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

yellow	**2002-115**	100 (4x25)

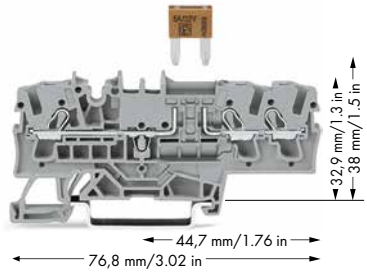
Push-in type jumper bar, insulated,
I_N 32 A,
light gray

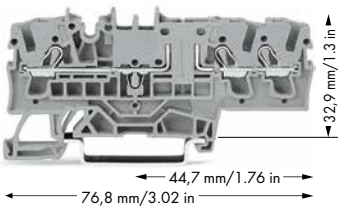
from 1 to 3	**2004-433**	200 (8x25)
from 1 to 4	**2004-434**	200 (8x25)
from 1 to 5	**2004-435**	100 (4x25)
from 1 to 6	**2004-436**	100 (4x25)
from 1 to 7	**2004-437**	100 (4x25)
from 1 to 8	**2004-438**	100 (4x25)
from 1 to 9	**2004-439**	100 (4x25)
from 1 to 10	**2004-440**	100 (4x25)

TOPJOB®S
Fuse Terminal Blocks Carrier Terminal Blocks 2.5 (4) mm²
2002 Series

0.25 - 2.5 (4) mm² ❶	AWG 22 - 12
400 V/6 kV/3 ❷	300 V, 10 A
I_N 10 A ❸	300 V, 10 A
Terminal block width 5.2 mm / 0.205 in	
10 - 12 mm / 0.43 in ❹	

0.25 - 2.5 (4) mm² ❶	AWG 22 - 12
400 V/6 kV/3 ❷	300 V, 10 A
I_N 6.3 A	300 V, 10 A
Terminal block width 5.2 mm / 0.205 in	
10 - 12 mm / 0.43 in ❹	





❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrules, 12 mm"

❷ 400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ - Individual arrangement: 10 A
- Block arrangement: 5 A
Protection against direct contact must be observed for 42 V and higher voltages

❹ Strip length, see packaging or instructions.

❺ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Staggered jumper, page 141
Adjacent jumper for continuous commoning, page 139
Push-in type wire jumper, page 140
TOPJOB®S connector, page 134
TOPJOB®S L-type test plug module, page 136

Item No.		Pack. Unit
3-conductor fuse terminal block,		
with test point,		
for blade-style fuses acc. to DIN 72581-3f, ISO 8820-3		
gray	**2002-1781**	50
Blade-style fuses are not offered by WAGO		
Other terminal blocks with the same profile:		
Through	**2002-1701**	Page 20

Item No.		Pack. Unit
3-conductor carrier terminal block		
gray	**2002-1761**	50
Other terminal blocks with the same profile:		
Through	**2002-1701**	Page 20

Accessories

Staggered jumper, ❺ insulated, I_N 25 A, light gray

2-way	**2002-472**	100 (4x25)
3-way	**2002-473**	100 (4x25)
4-way	**2002-474**	100 (4x25)
5-way	**2002-475**	50 (2x25)
6-way	**2002-476**	50 (2x25)
7-way	**2002-477**	50 (2x25)
8-way	**2002-478**	50 (2x25)
9-way	**2002-479**	50 (2x25)
10-way	**2002-480**	50 (2x25)
11-way	**2002-481**	50 (2x25)
12-way	**2002-482**	50 (2x25)

2002 Series Accessories

Appropriate marking systems: WMB/Marking strips/WMB Inline
(see Full Line Catalog, Volume 1, Section 13)

End and intermediate plate, 1 mm thick

orange	**2002-1792**	100 (4x25)
gray	**2002-1791**	100 (4x25)

Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm²

light gray	**2002-171**	200 (8x25)

Insulation stop, 5 pcs/strip, 0.75 - 1 mm²

dark gray	**2002-172**	200 (8x25)

Push-in type jumper bar, insulated, ❺ I_N 25 A, light gray

2-way	**2002-402**	200 (8x25)
3-way	**2002-403**	200 (8x25)
4-way	**2002-404**	200 (8x25)
5-way	**2002-405**	100 (4x25)
6-way	**2002-406**	100 (4x25)
7-way	**2002-407**	100 (4x25)
8-way	**2002-408**	100 (4x25)
9-way	**2002-409**	100 (4x25)
10-way	**2002-410**	100 (4x25)

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

yellow	**2002-115**	100 (4x25)

Double-deck marker carrier, pivoting

gray	**2002-121**	50 (2x25)

Adjacent jumper for continuous commoning, insulated, ❺ I_N 25 A, light gray

2-way	**2002-400**	100 (4x25)

Push-in type jumper bar, insulated, I_N 25 A, light gray

from 1 to 3	**2002-433**	200 (8x25)
from 1 to 4	**2002-434**	200 (8x25)
from 1 to 5	**2002-435**	100 (4x25)
from 1 to 6	**2002-436**	100 (4x25)
from 1 to 7	**2002-437**	100 (4x25)
from 1 to 8	**2002-438**	100 (4x25)
from 1 to 9	**2002-439**	100 (4x25)
from 1 to 10	**2002-440**	100 (4x25)

Push-in type wire jumper, ❺ insulated, I_N 16 A, wire size 1.5 mm²

L = 60 mm	**2009-412**	100 (10x10)
L = 110 mm	**2009-414**	100 (10x10)
L = 250 mm	**2009-416**	100 (10x10)

Test plug, with 500 mm cable, 2 mm Ø

red	**210-136**	50

Banana plug, for socket 4 mm Ø, color mixed

	215-111	50

Modular TOPJOB®S connector, ❺ can be snapped together, for jumper contact slot

gray	**2002-511**	100 (4x25)

Spacer module, can be snapped together, e.g., for bridging commoned terminal blocks

gray	**2002-549**	100 (4x25)

End plate, for modular TOPJOB®S connectors, 1.5 mm thick

gray	**2002-541**	100 (4x25)

TOPJOB®S L-test plug module, ❺ can be snapped together

gray	**2002-611**	100 (4x25)

Test plug adapter, for 4 mm Ø test plug

gray	**2009-174**	100 (4x25)

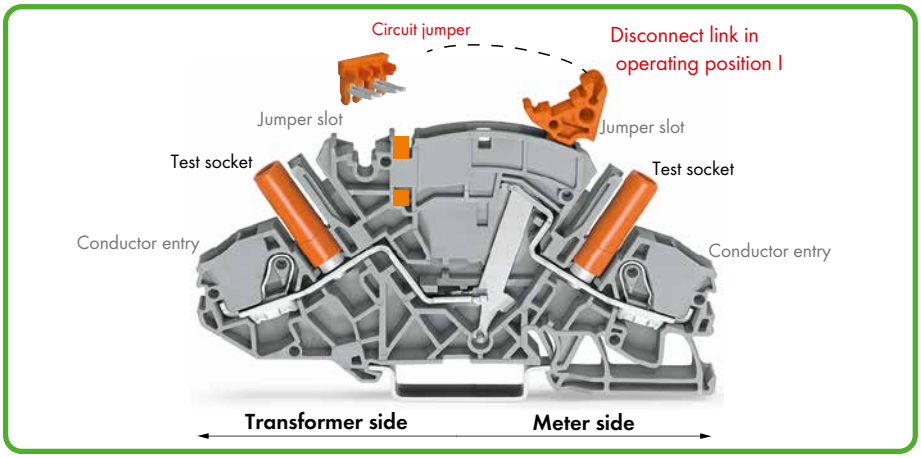
Testing tap, for max. 2.5 mm²

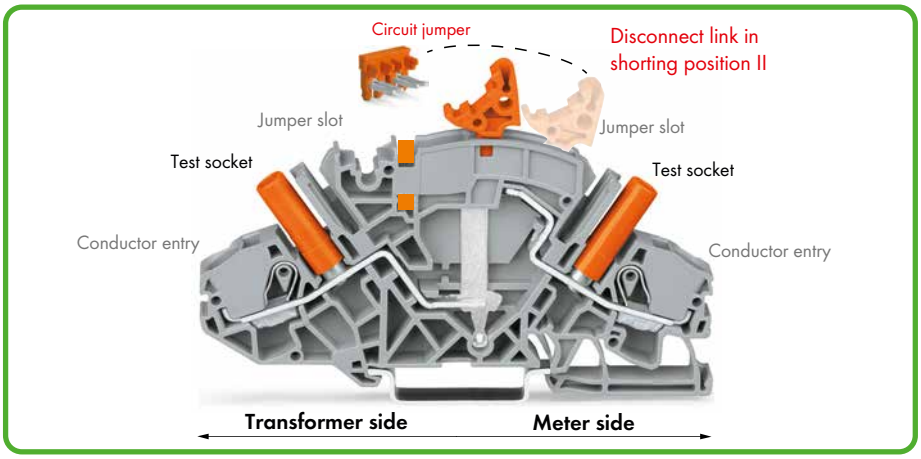
gray	**2009-182**	100 (4x25)

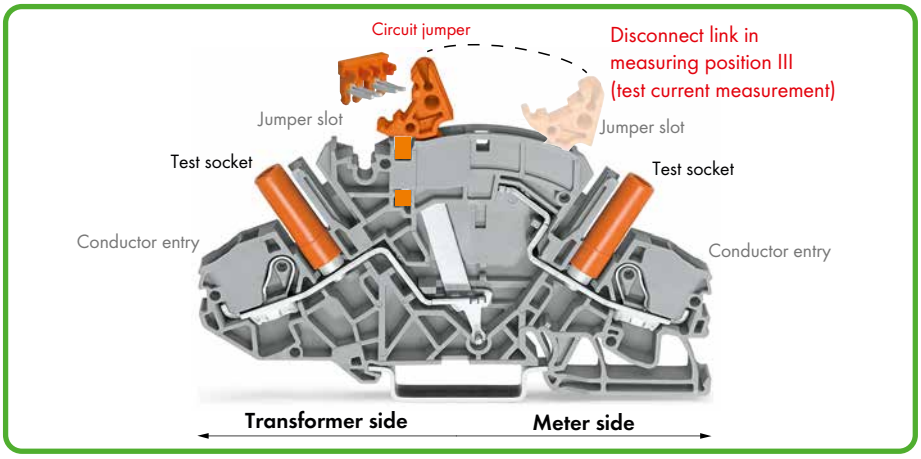
WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm

plain	**793-5501**	5

TOPJOB®S
2007-8821 Current Transformer Terminal Blocks (Orange Disconnect Link)







The TOPJOB® S current transformer (disconnect/test) terminal block **(2007-8821)** has been specially designed for current and voltage transformer circuits to measure the current transformer's operability.

First, the current transformer is shorted via disconnect link and circuit jumper (insert jumper, move disconnect link from operation position I to shorting position II, activate shorting path). Connecting a measuring device via test socket on the meter side can only be performed once circuit disconnection is complete (disconnect link in measuring position III).

- Features top-of-unit circuit jumper slot for shorting path activation.
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (AWG 8) and 6 mm² (AWG 10) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks of same profile.

Preparing the shorting path for current transformer circuits
Inserting insulated, touch-proof circuit jumpers into jumper slot. Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultanously.

CAGE CLAMP®S clamps the following copper conductors:*

solid

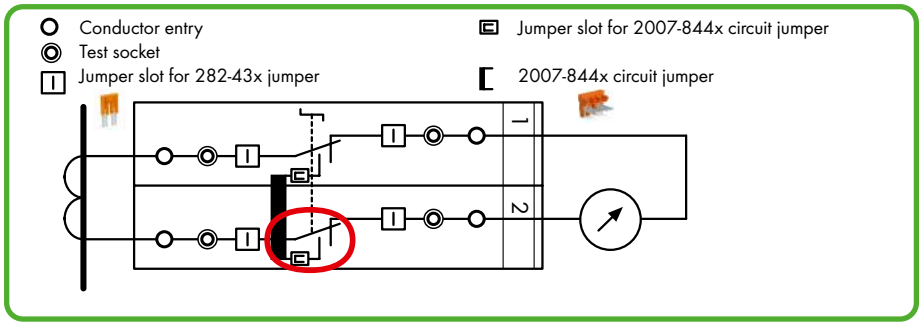
stranded

fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Full Line Catalog, Volume 1, Section 14.

Implementing a Current and Voltage Transformer Circuit

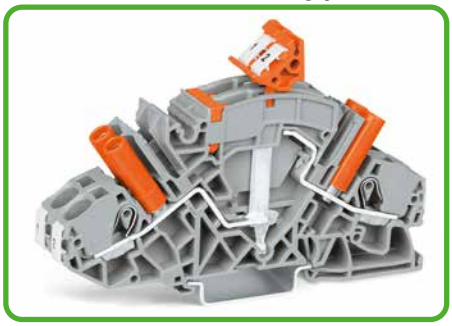
Disconnect link in operating position I

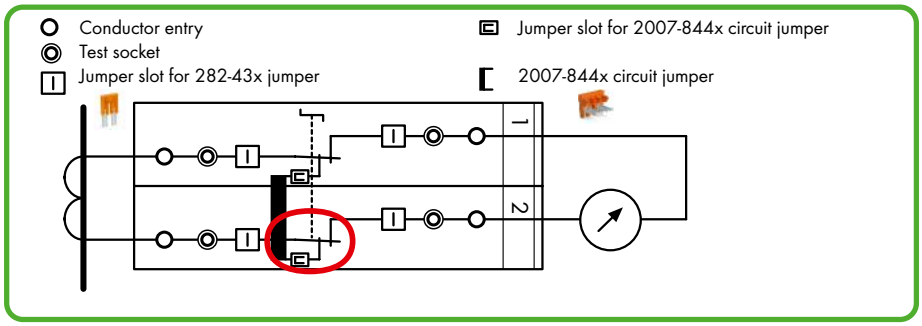


Terminal blocks required:
2 x disconnect/test terminal block 2007-8821
1 x circuit jumper, orange 2007-8442
optional with locking covers or interlocking links

In operating position, the measuring device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position I.

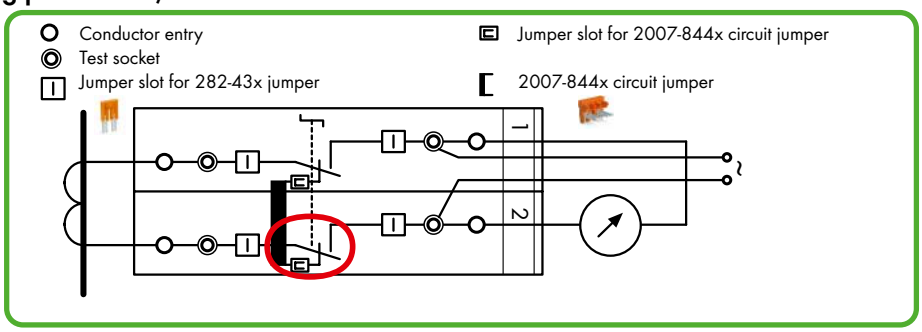
Disconnect link in shorting position II





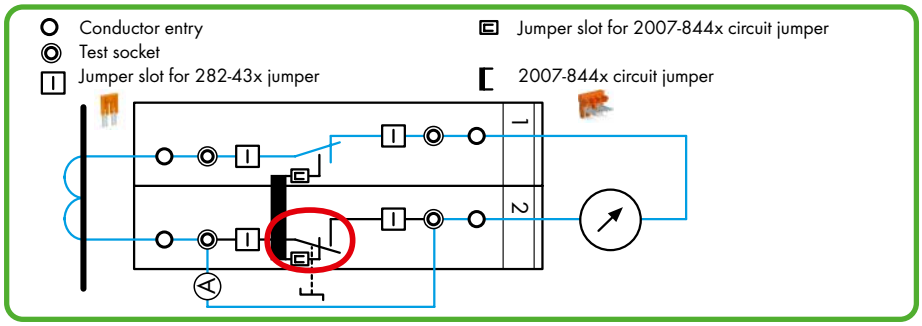
The transformer is **not** disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.

Measuring, disconnect link in measuring position III / test current measurement



The measuring device/relay is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device/relay via the test socket.

Measurement testing via both test sockets



Terminal block 1: Disconnect link in operating position I
Terminal block 2: Disconnect link in measuring position III

Measurement testing: First insert the reference current meter (A) into the test socket, then move the disconnect link into measurement position III (test current measurement).

fine-stranded,
tip-bonded

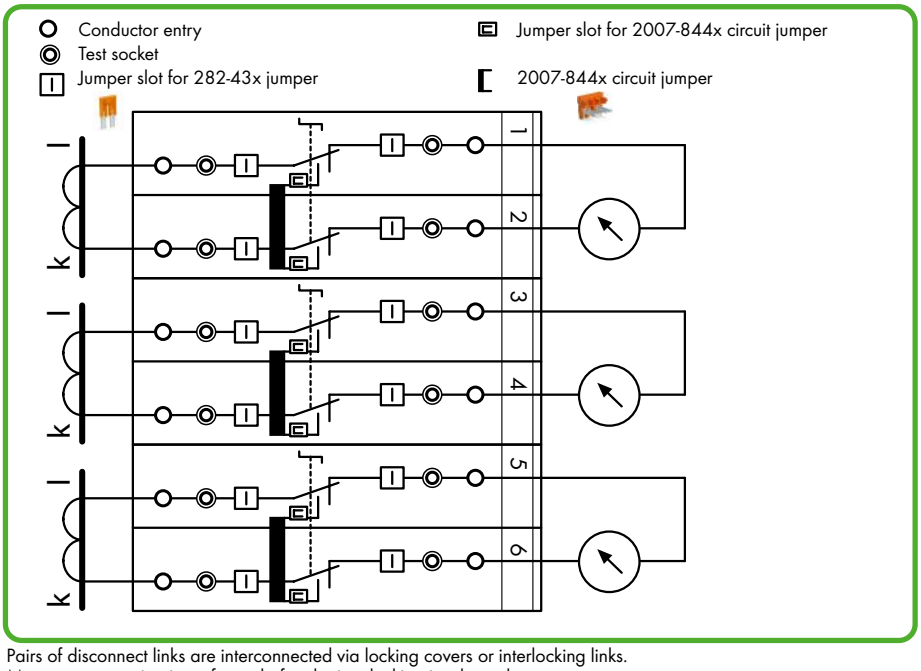
fine-stranded,
with ferrule
(gastight crimped)

fine-stranded,
with pin terminal
(gastight crimped)

Examples for Current Transformer Circuits

Measuring set for a 3-phase current transformer

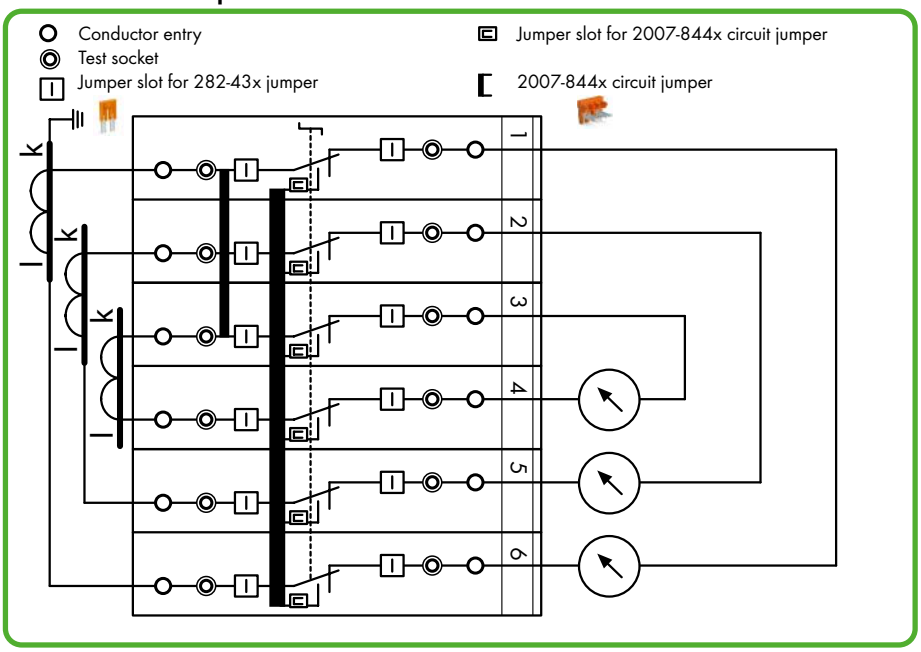
Terminal blocks required:
6 x disconnect/test terminal block 2007-8821
3 x circuit jumper, orange 2007-8442
In addition: interlocking links, locking covers, lock-outs



Pairs of disconnect links are interconnected via locking covers or interlocking links.
Measurement testing is performed after the interlocking is released.

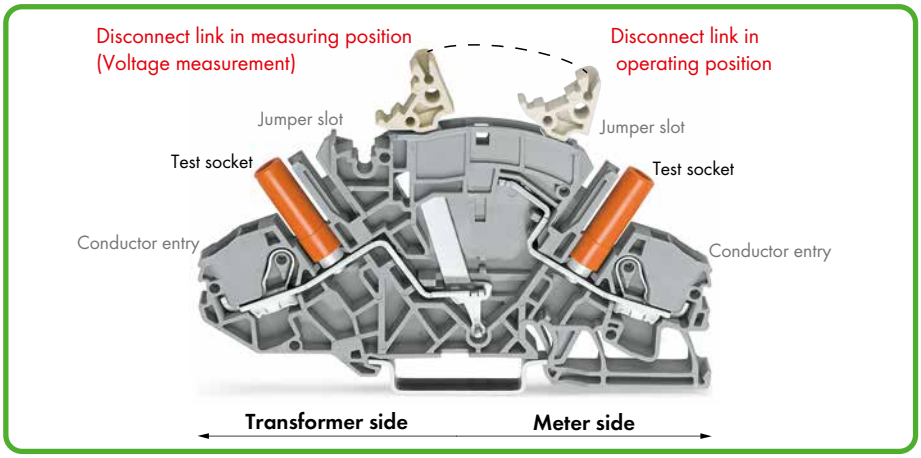
Measuring set for a 3-phase current transformer with 'Y' point

Terminal blocks required:
6 x disconnect/test terminal block 2007-8821
1 x circuit jumper, orange 2007-8446
1 x jumper, orange 282-433
In addition: interlocking links, locking covers, lock-outs



All 6 disconnect links are interconnected via via locking covers or interlocking links.

2007-8811 Voltage Transformer Terminal Blocks (Light Gray Disconnect Link)

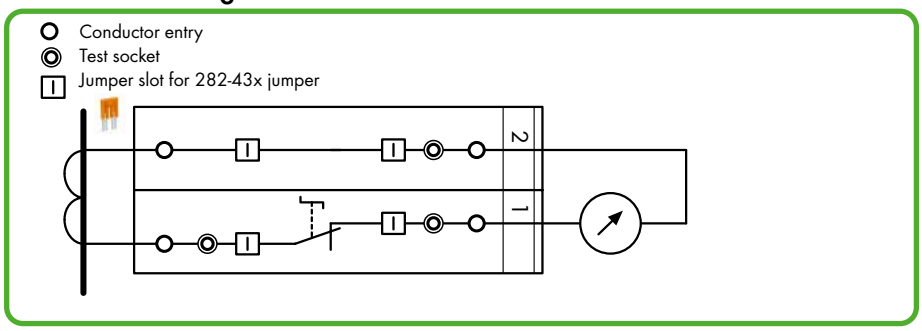


The TOPJOB® S voltage transformer (disconnect/test) terminal block **(2007-8811)** has been specially designed for voltage transformer circuits.

First, the voltage transformer must be disconnected from the circuit (from operating position to measurting position). Connecting a measuring device via test socket on the meter side can only be performed once circuit disconnection is completed (measuring position).

- For voltage transformer circuits (no circuit jumper slot required as for current transformer terminal block 2007-8821).
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated at 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (AWG 8) and 6 mm² (AWG 10) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks of same profile.

Example for voltage transformer testing
Measuring set for single-phase voltage transformer testing



Terminal blocks required:

1 x disconnect/test terminal block	2007-8811
1 x through terminal block	2007-8801
1 x end plate, orange	2007-8892

In addition: locking cover, lock-out

Disconnecting the voltage transformer from the circuit: Move disconnect link from operating position to measuring position.
Voltage measurement: Connecting a measuring device via test socket on the meter side can only be performed after disconnection is completed (measuring position).

Marking

Marking via WMB Multi markers or marking strips.

Commoning

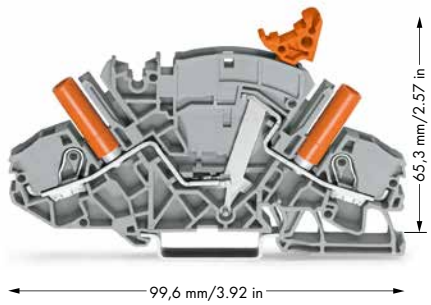
Additional commoning option via circuit-related jumpers or testing via test plug adapters (209-170) on transformer side

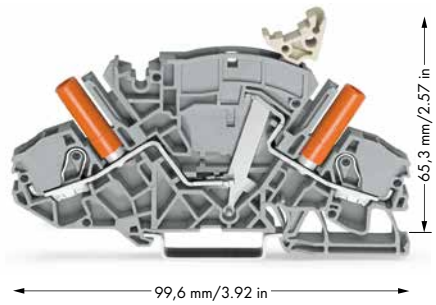
Locking cover for disconnect links

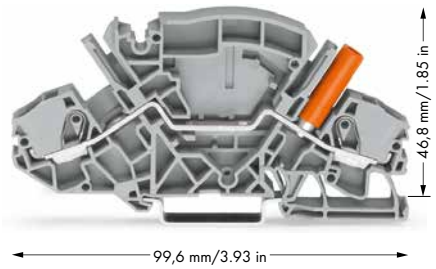
Multipole switching via snap-on type, transparent (locking) cover for disconnect links.

TOPJOB®S
Disconnect Terminal Blocks for Test and Measurement, 6 mm²/30 A, for Current and Voltage Transformer Circuits, 2007 Series

0.5 - 6 (10) mm² ❶ | AWG 20 - 8 **500 V/6 kV/3 ❷** **I_N 30 A** **Terminal block width 8 mm / 0.315 in** **13 - 15 mm / 0.55 in ❸**	**0.5 - 6 (10) mm² ❶ | AWG 20 - 8** **500 V/6 kV/3 ❷** **I_N 30 A** **Terminal block width 8 mm / 0.315 in** **13 - 15 mm / 0.55 in ❸**	**0.5 - 6 (10) mm² ❶ | AWG 20 - 8** **500 V/6 kV/3 ❷** **I_N 30 A** **Terminal block width 8 mm / 0.315 in** **13 - 15 mm / 0.55 in ❸**







Item No.		Pack. Unit
2-conductor disconnect terminal block for test and measurement, e.g., current transformer circuits, with receptacle for adjacent jumper with switch lever, with touch-proof test sockets, for 4 mm Ø test plug		
gray	**2007-8821**	20

Item No.		Pack. Unit
2-conductor disconnect terminal block for test and measurement, e.g., voltage transformer circuits, with touch-proof test sockets, for 4 mm Ø test plug		
gray	**2007-8811**	20

Item No.		Pack. Unit
2-conductor through terminal block, with touch-proof test socket, for 4 mm Ø test plug		
gray	**2007-8801**	20

Item-Specific Accessories

Adjacent jumper for switch lever, insulated, orange,			
	I_N 30 A		
	2-way	**2007-8442**	50 (5x10)
	3-way	**2007-8443**	50 (5x10)
	4-way	**2007-8444**	50 (5x10)
	5-way	**2007-8445**	50 (5x10)
	6-way	**2007-8446**	50 (5x10)
	7-way	**2007-8447**	50 (5x10)
	8-way	**2007-8448**	50 (5x10)

2006 Series Accessories

Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

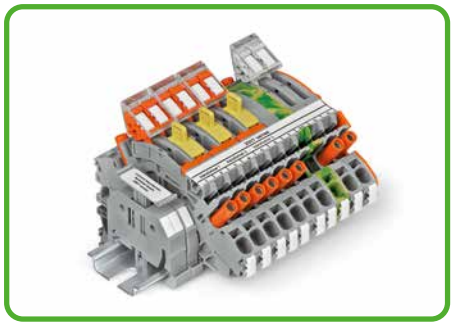
End and separator plate, 1.5 mm thick,			
	without use of lock-out seal		
	orange	**2007-8892**	50 (5x10)
	gray	**2007-8891**	50 (5x10)
End and separator plate, 1.5 mm thick,			
	for use of lock-out seal		
	orange	**2007-8894**	50 (5x10)
	gray	**2007-8893**	50 (5x10)
Lock-out,			
	for disconnect link		
	yellow	**2007-8899**	100 (5x20)
Locking cover, transparent,			
	mechanically locks multiple links		
	1-pole	**282-881**	50 (5x10)
	2-pole	**282-882**	50 (5x10)
	3-pole	**282-883**	50 (5x10)
	4-pole	**282-884**	50 (5x10)
	5-pole	**282-885**	50 (5x10)
	6-pole	**282-886**	50 (5x10)
	7-pole	**282-887**	50 (5x10)
	8-pole	**282-888**	50 (5x10)

Jumper, insulated,			
	I_N 30 A,		
	orange		
	2-way	**282-432**	50 (5x10)
	3-way	**282-433**	50 (5x10)
	4-way	**282-434**	50 (5x10)
	5-way	**282-435**	50 (5x10)
	6-way	**282-436**	50 (5x10)
	7-way	**282-437**	50 (5x10)
	8-way	**282-438**	50 (5x10)
	9-way	**282-439**	50 (5x10)
	10-way	**282-440**	50 (5x10)
Jumper with safety lid, insulated,			
	I_N 30 A,		
	orange		
	2-way	**282-432/100-000**	
	3-way	**282-433/100-000**	
	4-way	**282-434/100-000**	
			50 (5x10)
Interlocking link,			
	mechanically locks multiple links, 1 m/3'3" long		
	transparent	**210-254**	1

Jumper, special design,			
	I_N 30 A,		
	orange		
	1-3-5	**282-435/011-000**	
	1-2-4-6	**282-436/301-000**	
	1-3-5-7	**282-437/011-000**	
	1-4-7	**282-437/012-000**	
	1-2-5-8	**282-438/300-000**	
	1-4-7-8	**282-438/301-000**	
	1-3-5-7-9	**282-439/011-000**	
			50 (5x10)
Protective warning marker,			
	with high-voltage symbol, black, for 5 terminal blocks		
	yellow	**2006-115**	100 (4x25)
WMB Multi marking system,			
	10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm		
	plain	**793-501**	5
Marking strip, plain,			
	11 mm wide, 50 m roll		
	white	**2009-110**	1

0.5 - 6 (10) mm² ❶ | AWG 20 - 8

Terminal block width 8 mm / 0.315 in
13 - 15 mm / 0.55 in ❸



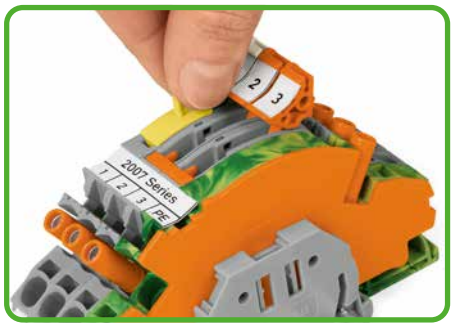
The terminal blocks feature integrated test sockets for touch-proof 4 mm Ø test plugs.

❶ Conductor sizes: 0.5 mm² – 10 mm² "s + f-st"; Push-in conductor sizes: 1 mm² – 10 mm² "s" and 1.5 mm² – 6 mm² "insulated ferrule, 12 mm"

❷ 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

	Item No.	Pack. Unit
2-conductor ground terminal block,		
with touch-proof test socket,		
for 4 mm Ø test plug		
green-yellow	**2007-8807**	20



Lock-out prevents accidental operation of disconnect link.

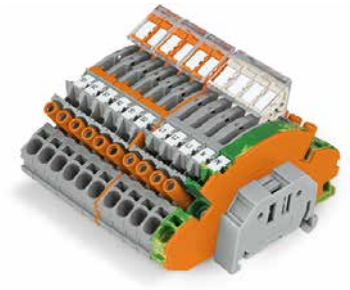
Lock-out snaps into one of two notched positions.

WMB Multi marking system,		
10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm, yellow		
k/l (50x)	**794-5553/000-002**	5
WMB Multi marking system,		
10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm, blue		
U/V (50x)	**794-5554/000-006**	5

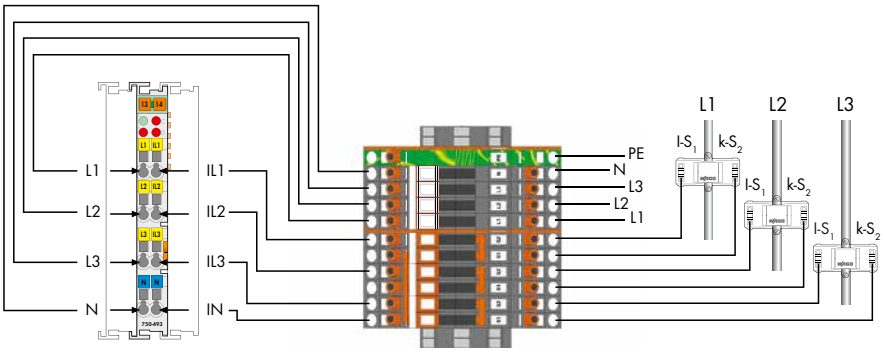
Interlocking link for mechanical interlocking of several links for multi-pole switching

A lock-out seal can be used on the disconnect link in operating position I in connection with end and separator plate (2007-8893 or 2007-8894)

TOPJOB®S
Terminal Block Assemblies for Current and Voltage Transformers
2007 Series



Item No. for 2007-8873 Description	Quantity
249-117 Screwless end stop, 10 mm wide	2
282-882 Locking cover, mechanically locks multiple links, 2-pole	3
282-884 Locking cover, mechanically locks multiple links, 4-pole	1
2007-8442 Adjacent jumper for switch lever, insulated, 2-way	3
2007-8807 2-conductor ground terminal block, with touch-proof test socket, for 4 mm Ø test plug	1
2007-8811 2-conductor disconnect terminal block for test and measurement, with touch-proof test sockets, for 4 mm Ø test plug	4
2007-8821 2-conductor disconnect terminal block for test and measurement, with touch-proof test sockets, for 4 mm Ø test plug	6
2007-8892 End and separator plate, 1.5 mm thick, without use of lock-out seal	2
2009-135 WMB Inline, plain, stretchable 5 - 5.2 mm, 8,000 WMB markers, 5 mm, on roll	21 Markers
282-435/011-000 Jumper, insulated, 1-3-5	1
Assembly width incl. end stop 11.2 cm	



3-Phase Power Measurement Module 750 Series

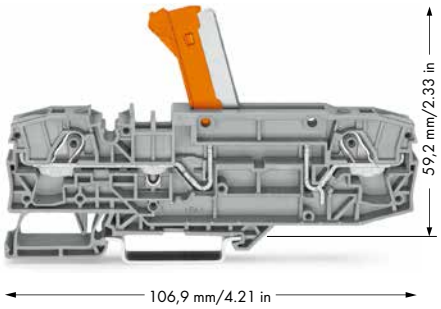
Terminal Block Assembly for Current and Voltage Transformers 2007 Series

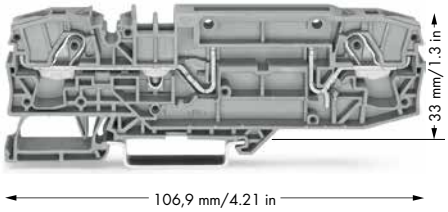
Current Transformers 855 Series

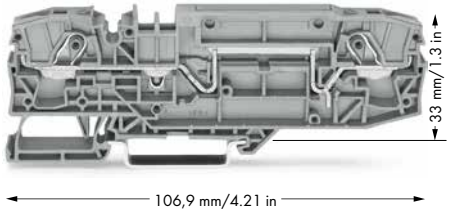
Item No. for 2007-8876 Description	Quantity
249-117 Screwless end stop, 10 mm wide	2
282-369 Collective carrier for jumpers, for DIN 35 rail, for jumpers for transverse switching terminal block (282-811) and longitudinal switching disconnect terminal block (282-821)	1
282-882 Locking cover, mechanically locks multiple links, 2-pole	3
2007-8442 Adjacent jumper for switch lever, insulated, 2-way	3
2007-8821 2-conductor disconnect terminal block for test and measurement, with touch-proof test sockets, for 4 mm Ø test plug	6
2007-8892 End and separator plate, 1.5 mm thick, without use of lock-out seal	1
2009-135 WMB Inline, plain, stretchable 5 - 5.2 mm, 8,000 WMB markers, 5 mm, on roll	12 Markers
282-435/011-000 Jumper, insulated, 1-3-5	1
Assembly width incl. end stop 8.5 cm	

TOPJOB®S
Disconnect Terminal Blocks for Test and Measurement 1500 VDC, Carrier/ Through Terminal Blocks of Same Profile 6 (10) mm²/30 A, 2006 Series

0.5 - 6 (10) mm² ❶ | AWG 20 - 8 **AC/DC 1000 V/ DC 1500 V/12 kV/3 ❷** **I_N 30 A** **Terminal block width 15 mm / 0.591 in** **13 - 15 mm / 0.55 in ❸**	**0.5 - 6 (10) mm² ❶ | AWG 20 - 8** **AC/DC 1000 V/ DC 1500 V/12 kV/3 ❷** **I_N 30 A** **Terminal block width 15 mm / 0.591 in** **13 - 15 mm / 0.55 in ❸**	**0.5 - 6 (10) mm² ❶ | AWG 20 - 8** **AC/DC 1000 V/ DC 1500 V/12 kV/3 ❷** **I_N 30 A** **Terminal block width 15 mm / 0.591 in** **13 - 15 mm / 0.55 in ❸**







Item No.		Pack. Unit
2-conductor disconnect terminal block for test and measurement, with test point, orange disconnect link		
gray	**2006-8671**	12
blue	**2006-8674**	12

Item No.		Pack. Unit
2-conductor carrier terminal block, with test point		
gray	**2006-8661**	12
blue	**2006-8664**	12

Item No.		Pack. Unit
2-conductor through terminal block, with test point, same profile as 2-conductor disconnect terminal block		
gray	**2006-8601**	12
blue	**2006-8604**	12

Item-Specific Accessories

Disconnect plug for carrier terminal blocks, suited when using a carrier terminal block as disconnect terminal block

orange	**2006-8401**	48 (4x12)

2006 Series Accessories

Appropriate marking systems: WMB/Marking strips (see Full Line Catalog, Volume 1, Section 13)

End and intermediate plate, 1 mm thick

orange	**2006-8692**	48 (4x12)
gray	**2006-8691**	48 (4x12)

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

yellow	**2006-115**	100 (4x25)

Push-in type jumper bar, insulated, I_N 41 A, light gray

from 1 to 3	**2006-433**	50 (2x25)
from 1 to 5	**2006-435**	50 (2x25)

Lockout cap, for conductor entry hole and operating slot

gray	**2006-191**	25

WMB Multi marking system, 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm

plain	**793-501**	5

WMB Multi marking system, plain, 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm

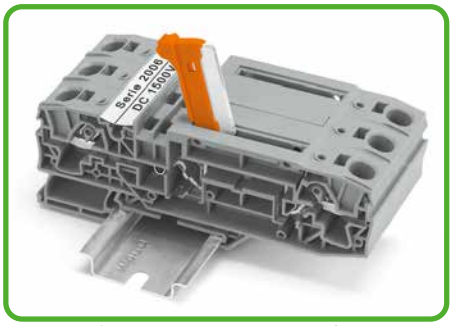
yellow	**793-501/000-002**	
red	**793-501/000-005**	
blue	**793-501/000-006**	
gray	**793-501/000-007**	
orange	**793-501/000-012**	
light green	**793-501/000-017**	
green	**793-501/000-023**	
violet	**793-501/000-024**	
		5

Marking strip, plain, 11 mm wide, 50 m roll

white	**2009-110**	1

WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll

white	**2009-115**	1



Disconnect/test terminal block with knife disconnect (2006-8671) in disconnect position

Both 2006-8671 and 2006-8661 TOPJOB® S disconnect terminal blocks have been specially designed for use in photovoltaic and wind power systems, where voltages exceeding 1,000 V (IEC) and 600 V (UL) are required (e.g., generator junction boxes).

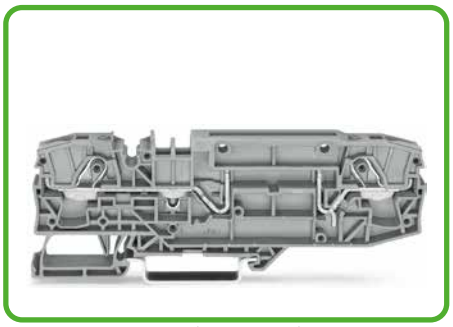
- Ideal for high voltages in renewable energy applications
- **Disconnect terminal blocks with two alternative disconnect options:**
  with orange knife disconnect (2006-8671)
  with orange disconnect plug (2006-8661)
- This 2006 Series terminal blocks are approved for 30 A/1,500 VDC (IEC) or 1,000 VDC (UL)
- With a terminal block width of 15 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (AWG 8) and 6 mm² (AWG 10) for ferruled conductors.
- Equipped with test slots
- Compatible with through terminal blocks of the same profile and all other TOPJOB® S terminal blocks

❶ Conductor sizes: 0.5 mm² – 10 mm² "s + f-st"; Push-in conductor sizes: 1 mm² – 10 mm² "s" and 1.5 mm² – 6 mm² "insulated ferrule, 12 mm"

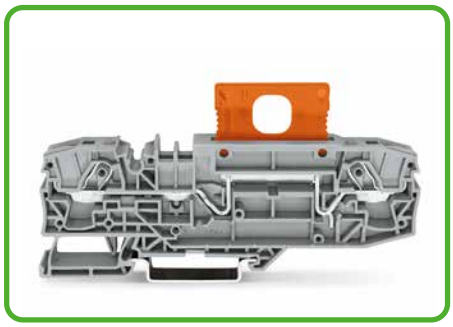
❷ AC/DC 1000 V = rated voltage
DC 1500 V
12 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

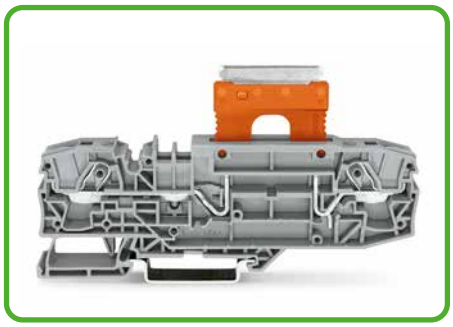
❹ Protective warning marker must be applied individually.



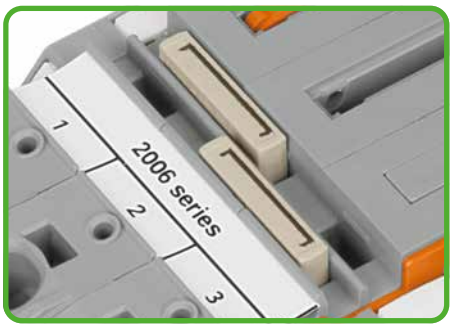
Carrier terminal block (2006-8661) with receptacle for orange disconnect plug



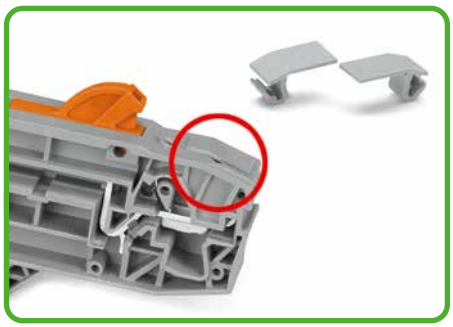
Orange disconnect plug (2006-8401) in operating position



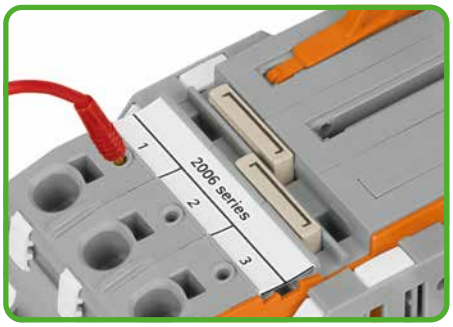
Orange disconnect plug (2006-8401) in parked position



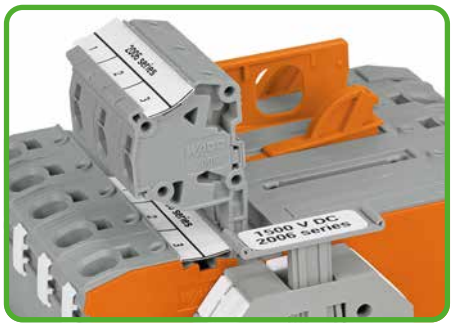
Commoning a 15 mm wide terminal block via push-in type jumper bars: 1 to 3 (2006-433) and 1 to 5 (2006-435).



Cover seals unused conductor entry.



Test slots on both terminal block sides allow for direct measurement.



Alternatively, measurement can also be performed using TOPJOB® S connectors (2006-511) from terminal block 1 to 2. Spacer modules (2006-549) must be used to compensate for the 15 mm terminal block width.

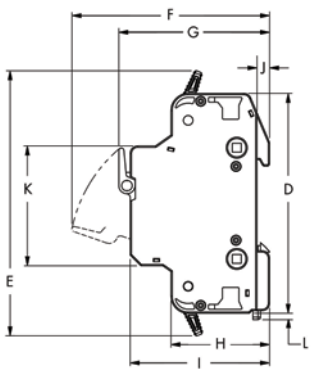
Fuse Terminal Blocks
for Class CC and 10 x 38 mm (13⁄32" x 1½") Fuses
811 Series

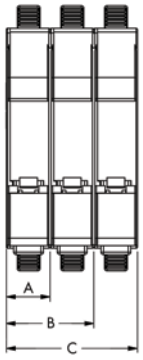
2.5 - 16 mm²	**AWG 16 - 6**	**2.5 - 16 mm²**	**AWG 16 - 6**	**2.5 - 16 mm²**	**AWG 16 - 6**
1000 VDC, 32 A	**1000 VDC, 30 A**	**690 VAC, 32 A**	**600 VAC, 30 A**	**–**	**600 V, 30 A**
		1000 VDC, 32 A	**750 VAC, 30 A**	**–**	**600 V, 30 A**
			1000 VDC, 30 A		
Terminal block width 17.5 mm / 0.689 in		**Terminal block width 17.5 mm / 0.689 in**		**Terminal block width 17.5 mm / 0.689 in**	
12 - 13 mm / 0.49 in		**12 - 13 mm / 0.49 in**		**12 - 13 mm / 0.49 in**	

Item No.		Pack. Unit
Fuse terminal block for cylindrical fuses		
10 x 38 mm; 13⁄32" x 1½", for photovoltaic applications, light gray, without blown fuse indication, suitable for DIN 35 rail acc. to EN 60715		
◯ 1-pole	**811-316**	12
Fuse terminal block for cylindrical fuses 10 x 38 mm; 13⁄32" x 1½", for photovoltaic applications, light gray, with blown fuse indication, 230 - 1000 VDC, suitable for DIN 35 rail acc. to EN 60715		
◯ 1-pole	**811-317**	12
Cylindrical fuses are not offered by WAGO.		
Temperature scale handling from -35 °C to +85 °C.		
Nominal voltage and current are given by the LED or fuse.		

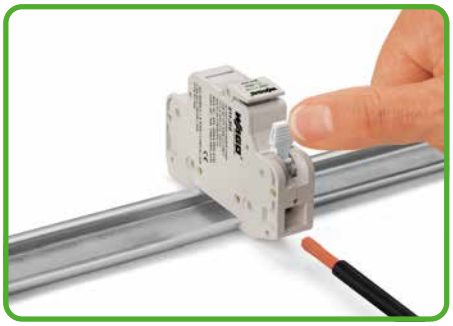
Item No.		Pack. Unit
Fuse terminal block for 10 x 38 mm; 13⁄32" x 1½", light gray, without blown fuse indication, suitable for DIN 35 rail acc. to EN 60715		
◯ 1-pole	**811-310**	12
◯ 2-pole	**811-320**	6
◯ 3-pole	**811-330**	4
Fuse terminal block for 10 x 38 mm; 13⁄32" x 1½", light gray, with blown fuse indication, 90 - 600 VAC, 115 - 600 VDC, suitable for DIN 35 rail acc. to EN 60715		
◯ 1-pole	**811-311**	12
◯ 2-pole	**811-321**	6
◯ 3-pole	**811-331**	4
Fuse terminal block for 10 x 38 mm; 13⁄32" x 1½", light gray, with blown fuse indication, 24 VDC, suitable for DIN 35 rail acc. to EN 60715		
◯ 1-pole	**811-314**	12
Cylindrical fuses are not offered by WAGO.		
Temperature scale handling from -35 °C to +85 °C.		
Nominal voltage and current are given by the LED or fuse.		

Item No.		Pack. Unit
Fuse terminal block for class CC fuses, light gray, without blown fuse indication, suitable for DIN 35 rail acc. to EN 60715		
◯ 1-pole	**811-410**	12
◯ 2-pole	**811-420**	6
◯ 3-pole	**811-430**	4
Fuse terminal block for class CC fuses, light gray, with blown fuse indication, 90 - 600 VAC, 115 - 600 VDC, suitable for DIN 35 rail acc. to EN 60715		
◯ 1-pole	**811-411**	12
◯ 2-pole	**811-421**	6
◯ 3-pole	**811-431**	4
Fuse terminal block for class CC fuses, light gray, with blown fuse indication, 24 VDC, suitable for DIN 35 rail acc. to EN 60715		
◯ 1-pole	**811-414**	12
Cylindrical fuses are not offered by WAGO.		
Temperature scale handling from -35 °C to +85 °C.		
Nominal voltage and current are given by the LED or fuse.		





Dimension	mm (in.)
A	17.3 (0.68)
B	34.6 (1.36)
C	51.9 (2.04)
D	87 (3.43)
E	104.9 (4.13)
F	78.3 (3.08)
G	59.7 (2.35)
H	39 (1.54)
I	55.2 (2.17)
J	5 (0.2)
K	47.4 (1.87)
L	2.5 (0.1)



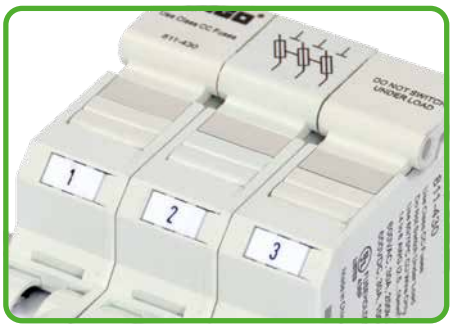
Conductor termination:
Open clamping unit via integrated lever.

Ferruled conductors up to 10 mm² (AWG 8) can be terminated.

Screwdriver used to open and close lever.

Inserting a fuse.

Remove terminal block from the carrier rail.



WMB marking location for convenient identification.

Marking adapter (285-442)
allows the continuous marking strip to be used.

Jumper bar for quick and convenient commoning.

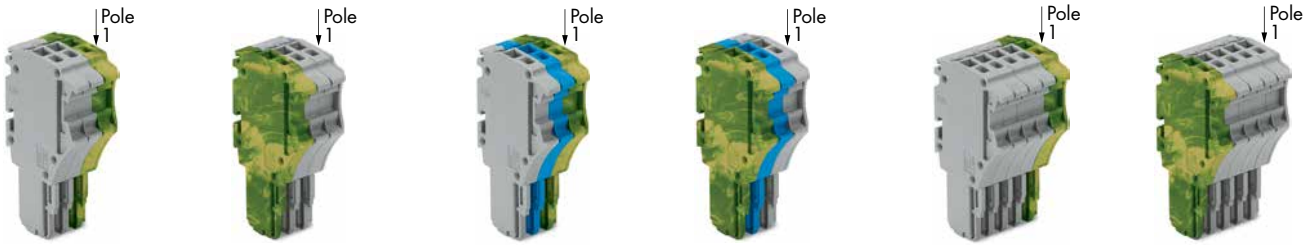
Coupling kit used to create a 2- or 3-pole fuse terminal block.

811 Series Accessories

Jumper bar, I_N 63 A, 1000 V (2 to 12 way versions)			
	2-way	**811-472**	50 (5x10)
	3-way	**811-473**	40 (4x10)
	4-way	**811-474**	40 (4x10)
	5-way	**811-475**	40 (4x10)
	6-way	**811-476**	30 (3x10)
	7-way	**811-477**	20 (2x10)
	8-way	**811-478**	20 (2x10)
	9-way	**811-479**	20 (2x10)
	10-way	**811-480**	20 (2x10)
	11-way	**811-481**	20 (2x10)
	12-way	**811-482**	20 (2x10)
Supply module, 35 mm², 600 VAC, 1000 VDC			
		**811-471**	16 (4x4)
Test plug,			
	with 500 mm cable, 2 mm Ø		
	red	**210-136**	50
Coupling kit for 12 poles			
		**811-612**	1
Marker carrier,			
	uses 2009-110 marker strip, 10.4 mm wide		
	gray	**285-442**	25
Marking strip, plain,			
	11 mm wide, 50 m roll		
	white	**2009-110**	1
WMB Multi marking system,			
	10 strips with 10 markers per card, stretchable 5 - 5.2 mm		
	plain	**793-5501**	5
Screwless end stop, for DIN 35 rail,			
	gray		
	6 mm/0.236"	**249-116**	100 (4x25)
	10 mm/0.394"	**249-117**	50 (2x25)
Twin ferrules for 811 Series, insulated, L1 = 12 mm,			
	sleeve for 2 x 2.5 mm² / AWG 14		
	blue	**216-545**	100
	sleeve for 2 x 4 mm² / AWG 12		
	gray	**216-546**	100
	sleeve for 2 x 6 mm² / AWG 10		
	yellow	**216-547**	100

X-COM®S-SYSTEM-MINI
Pre-Assembled Female Plugs
2020 Series

0.14 - 1 (1.5) mm² ❶ | AWG 24 - 16 **500 V/6 kV/3 ❷** **I_N 13.5 A ❸** **module width 3.5 mm / 0.138 in** **9 - 11 mm / 0.39 in ❹**	**0.14 - 1 (1.5) mm² ❶ | AWG 24 - 16** **500 V/6 kV/3 ❷** **I_N 13.5 A ❸** **module width 3.5 mm / 0.138 in** **9 - 11 mm / 0.39 in ❹**	**0.14 - 1 (1.5) mm² ❶ | AWG 24 - 16** **500 V/6 kV/3 ❷** **I_N 13.5 A ❸** **module width 3.5 mm / 0.138 in** **9 - 11 mm / 0.39 in ❹**



Pole No.	Item No.	Pack. Unit
1-conductor female plug with ground base module (green-yellow), for insertion into carrier terminal blocks, with coding fingers		
3	**2020-103/000-036**	50
1-conductor female plug with ground end module (green-yellow), for insertion into carrier terminal blocks, with coding fingers		
3	**2020-103/000-037**	50
For other lengths up to maximum 15 poles, please contact factory.		

Pole No.	Item No.	Pack. Unit
1-conductor female plug with ground base module (green-yellow), for insertion into carrier terminal blocks, with coding fingers		
3	**2020-103/000-038**	50
1-conductor female plug with ground end module (green-yellow), for insertion into carrier terminal blocks, with coding fingers		
3	**2020-103/000-039**	50
For other lengths up to maximum 15 poles, please contact factory.		

Pole No.	Item No.	Pack. Unit
1-conductor female plug with ground base module (green-yellow), for insertion into carrier terminal blocks, with coding fingers		
5	**2020-105/000-036**	50
1-conductor female plug with ground end module (green-yellow), for insertion into carrier terminal blocks, with coding fingers		
5	**2020-105/000-037**	50
For other lengths up to maximum 15 poles, please contact factory.		

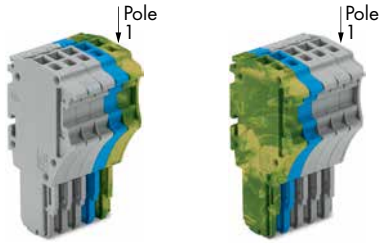
Accessories Female Plugs

Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks			
	yellow	**2000-115**	100 (4x25)
Locking lever, 9.6 mm wide			
	orange	**2022-152**	100 (4x25)
	gray	**2022-151**	100 (4x25)
Locking lever, 4.8 mm wide			
	orange	**2022-142**	100 (4x25)
	gray	**2022-141**	100 (4x25)
Strain relief plate, gray			
	35 mm width	**734-326**	100 (4x25)
	6 mm wide	**734-327**	100 (4x25)
	12.5 mm width	**734-328**	100 (4x25)
	25 mm wide	**734-329**	100 (4x25)
WMB Multi marking system, 10 strips with 10 markers per card, for 3.5 mm terminal block width			
	plain	**793-3501**	5
Marking strip, plain, 11 mm wide, 50 m roll			
	white	**2009-110**	1

0.14 - 1 (1.5) mm² ❶ | AWG 24 - 16
500 V/6 kV/3 ❷
I_N 13.5 A ❸

module width 3.5 mm / 0.138 in
9 - 11 mm / 0.39 in ❹



Pole No.	Item No.	Pack. Unit
1-conductor female plug with ground base module (green-yellow),		
for insertion into carrier terminal blocks,		
with coding fingers		
5	**2020-105/000-038**	50
1-conductor female plug with ground end module (green-yellow),		
for insertion into carrier terminal blocks,		
with coding fingers		
5	**2020-105/000-039**	50
For other lengths up to maximum 15 poles, please contact factory.		

❶ Conductor sizes: 0.14 mm² – 1.5 mm² "s + f-st"; Push-in conductor sizes: 0.5 mm² – 1.5 mm² "s" and 0.5 mm² – 0.75 mm² "insulated ferrule, 10 mm"

❷ 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Current-carrying capacity curves upon request

❹ Strip length, see packaging or instructions.

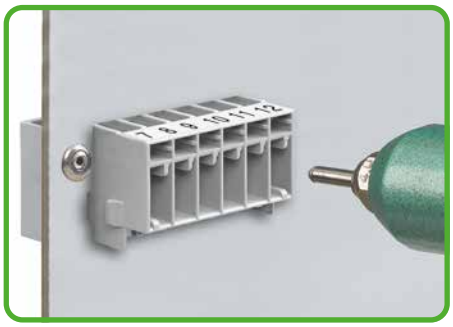
X-COM®-SYSTEM
Male Headers with Solder Pins and Rivet Fixing Flanges
Pin Spacing 5 mm

Pin spacing 5 mm / 0.197 in, gray
250 V/4 kV/3 ❶
500 V/4 kV/2 ❶
I_N 32 A ❷

❶ 250 V/500 V = rated voltage
4 kV = rated surge voltage
3/2 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❷ See current-carrying capacity curve at www.wago.com

Pole No.	Item No.	Pack. Unit
Male header with straight solder pins and rivet fixing flanges, 1 x 1 mm, gray		
2	**769-632/007-000**	200
3	**769-633/007-000**	50
4	**769-634/007-000**	50
5	**769-635/007-000**	50
6	**769-636/007-000**	50
7	**769-637/007-000**	25
8	**769-638/007-000**	25
9	**769-639/007-000**	25
10	**769-640/007-000**	25
11	**769-641/007-000**	25
12	**769-642/007-000**	25
13	**769-643/007-000**	15
14	**769-644/007-000**	15
15	**769-645/007-000**	15



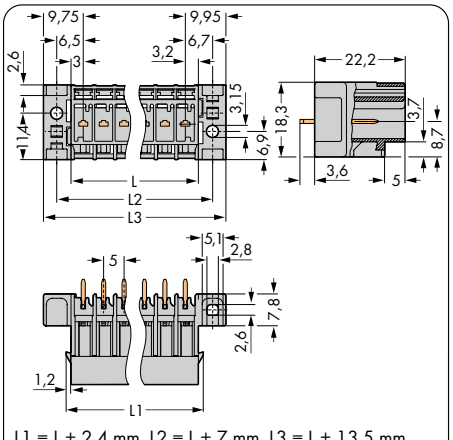
Mounting with 3 mm Ø blind rivets

Accessories

1-conductor female plug,
straight
gray **769-102** 100

1-conductor female plug,
with lateral locking levers
gray **769-102/021-000** 50

Coding pin,
for coding female plugs
orange **769-435** 100 (4x25)

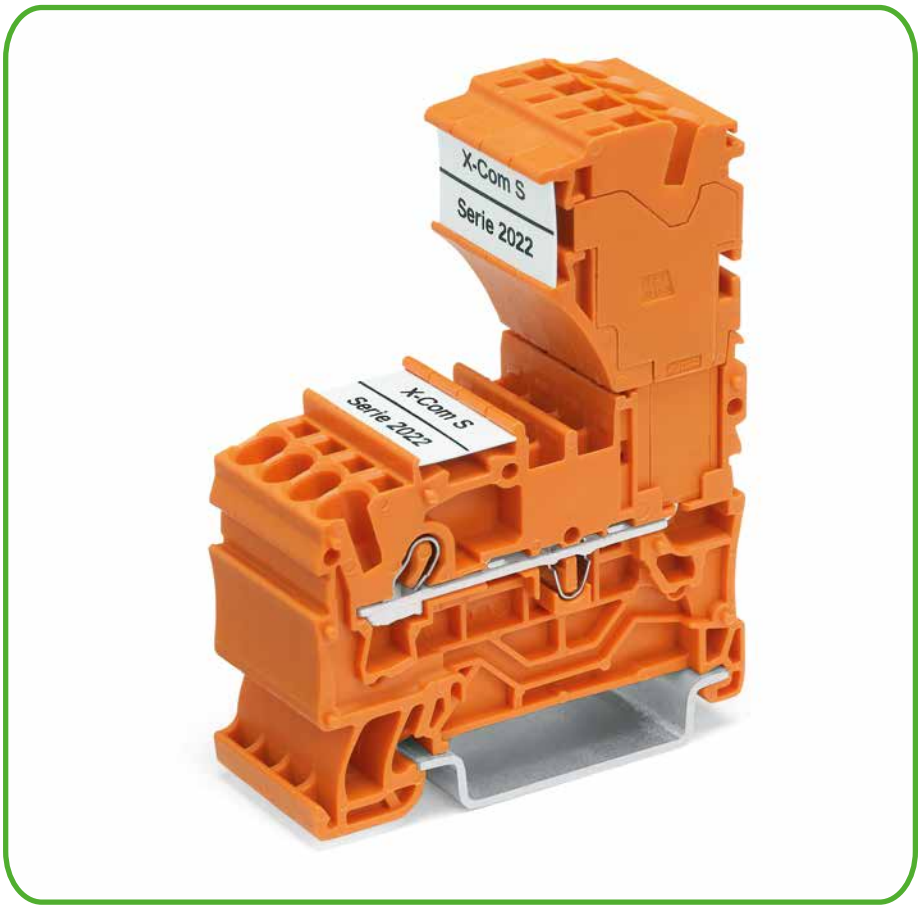


L1 = L + 2.4 mm, L2 = L + 7 mm, L3 = L + 13.5 mm
L = (No. of poles - 1) x pin spacing + 6.2 mm

Dimensions in mm

Orange Version

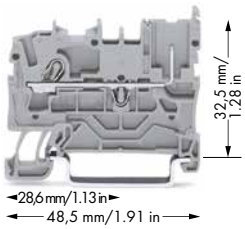
Technical Data see Full Line Catalog, Volume 1

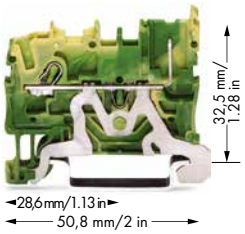


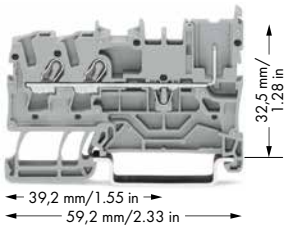
X-COM® S-SYSTEM
2-Conductor/1-Pin; 2-Conductor/1-Pin and 2-Conductor/2-Pin Carrier Terminal Blocks for Ex nA Applications, 2022 Series

CAGE CLAMP® S

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 630 V ❷ I_N 20 A Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸	0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸	0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 630 V ❷ I_N 20 A Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸







Item No.		Pack. Unit
1-conductor/1-pin carrier terminal block, for DIN 35 rail, acc. to EN 60715		
gray	**2022-1201/999-953**	100
blue	**2022-1204/999-953**	100

Item No.		Pack. Unit
1-conductor/1-pin ground carrier terminal block, for DIN 35 rail, acc. to EN 60715		
green-yellow	**2022-1207/999-953**	100

Item No.		Pack. Unit
2-conductor/1-pin carrier terminal block, for DIN 35 rail, acc. to EN 60715		
gray	**2022-1301/999-953**	100
blue	**2022-1304/999-953**	100
2-conductor/1-pin ground carrier terminal block, for DIN 35 rail, acc. to EN 60715		
green-yellow	**2022-1307/999-953**	100

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
orange	**2022-1292**	100 (4x25)	
gray	**2022-1291**	100 (4x25)	

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
orange	**2022-1292**	100 (4x25)	
gray	**2022-1291**	100 (4x25)	

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
orange	**2022-1392**	100 (4x25)	
gray	**2022-1391**	100 (4x25)	

2022 Series Accessories

Appropriate marking systems: WMB/Marking strips/WMB Inline
(see Full Line Catalog, Volume 1, Section 13)

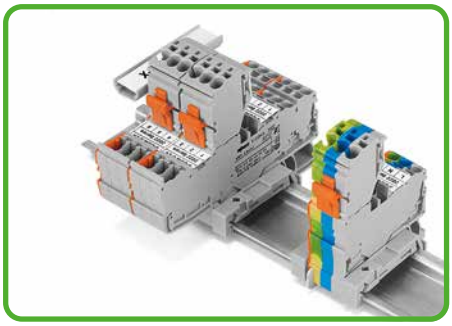
Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm²			
light gray	**2002-171**	200 (8x25)	
Insulation stop, 5 pcs/strip, 0.75 - 1 mm²			
dark gray	**2002-172**	200 (8x25)	
Push-in type jumper bar, insulated, ❹ I_N 25 A, light gray			
2-way	**2002-402**	200 (8x25)	
3-way	**2002-403**	200 (8x25)	
4-way	**2002-404**	200 (8x25)	
5-way	**2002-405**	100 (4x25)	
6-way	**2002-406**	100 (4x25)	
7-way	**2002-407**	100 (4x25)	
8-way	**2002-408**	100 (4x25)	
9-way	**2002-409**	100 (4x25)	
10-way	**2002-410**	100 (4x25)	
Push-in type jumper bar, insulated, I_N 25 A, light gray			
from 1 to 3	**2002-433**	200 (8x25)	
from 1 to 4	**2002-434**	200 (8x25)	
from 1 to 5	**2002-435**	100 (4x25)	
from 1 to 6	**2002-436**	100 (4x25)	
from 1 to 7	**2002-437**	100 (4x25)	
from 1 to 8	**2002-438**	100 (4x25)	
from 1 to 9	**2002-439**	100 (4x25)	
from 1 to 10	**2002-440**	100 (4x25)	

Staggered jumper, ❹ insulated, I_N 25 A, light gray			
2-way	**2002-472**	100 (4x25)	
3-way	**2002-473**	100 (4x25)	
4-way	**2002-474**	100 (4x25)	
5-way	**2002-475**	50 (2x25)	
6-way	**2002-476**	50 (2x25)	
7-way	**2002-477**	50 (2x25)	
8-way	**2002-478**	50 (2x25)	
9-way	**2002-479**	50 (2x25)	
10-way	**2002-480**	50 (2x25)	
11-way	**2002-481**	50 (2x25)	
12-way	**2002-482**	50 (2x25)	
Push-in type wire jumper, ❹ insulated, I_N 18 A, wire size 1.5 mm²			
L = 60 mm	**2009-412**	100 (10x10)	
L = 110 mm	**2009-414**	100 (10x10)	
L = 250 mm	**2009-416**	100 (10x10)	
Carrier with 6 coding pins, for coding female plugs			
orange	**2022-100**	100 (4x25)	
Test pin, 1 mm Ø			
	859-500	1	

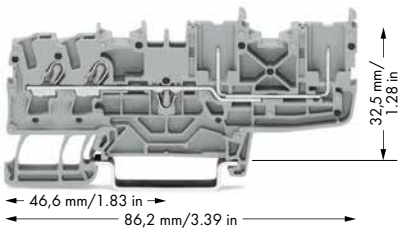
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks			
yellow	**2002-115**	100 (4x25)	
WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm			
plain	**793-5501**		5
WMB Multi marking system, plain, 10 strips with 10 markers per card, stretchable 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
WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll			
white	**2009-115**		1
Marking strip, plain, 11 mm wide, 50 m roll			
white	**2009-110**		1
Screwless end stop, for DIN 35 rail, 6 mm wide			
gray	**249-116**	100 (4x25)	

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12
630 V ❷
I_N 20 A

Terminal block width 5.2 mm / 0.205 in
10 - 12 mm / 0.43 in ❸



Each female plug is supplied with a locking lever.



❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st";
Push-in conductor sizes: 0.75 mm² – 4 mm² "s"
and 0.75 mm² – 2.5 mm²
"insulated ferrule, 12 mm"

❷ 630 V = rated voltage for Ex nA applications
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

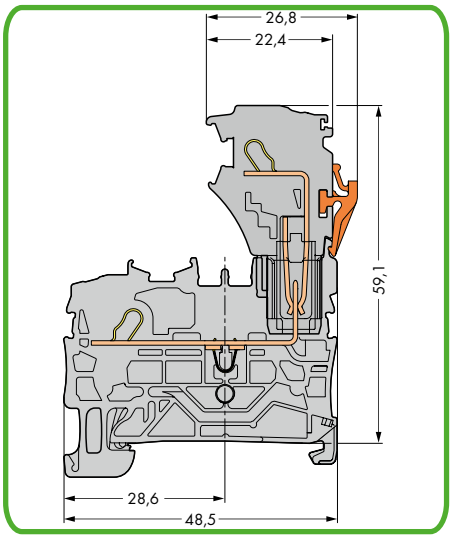
❹ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Staggered jumper, page 141
Push-in type wire jumper, page 140
Marker carrier, page 145

	Item No.	Pack. Unit
2-conductor/2-pin carrier terminal block, for DIN 35 rail, acc. to EN 60715		
gray	**2022-1401/999-953**	50
blue	**2022-1404/999-953**	50
2-conductor/2-pin ground carrier terminal block, for DIN 35 rail, acc. to EN 60715		
green-yellow	**2022-1407/999-953**	50

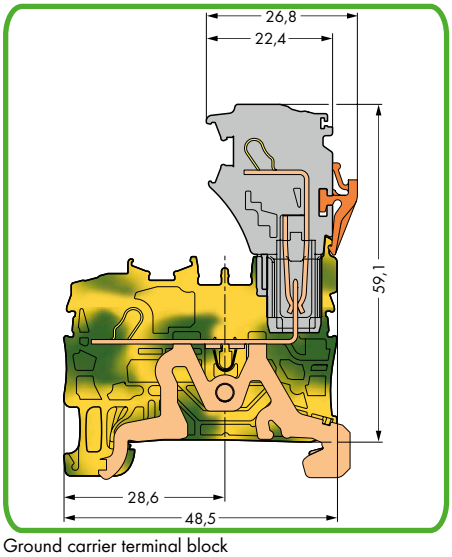
Item-Specific Accessories

End and intermediate plate, 1 mm thick

orange	**2022-1492**	100 (4x25)
gray	**2022-1491**	100 (4x25)



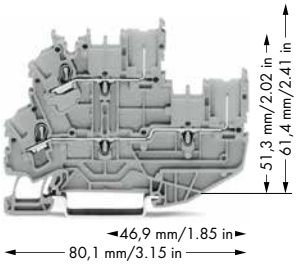
Carrier terminal block

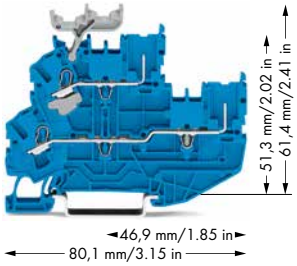


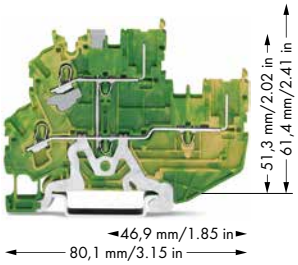
Ground carrier terminal block

X-COM® S-SYSTEM
1-Conductor/1-Pin Double-Deck Carrier Terminal Blocks for Ex nA Applications
2022 Series

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 630 V ❷ I_N 20 A ❸ Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❹	0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 630 V ❷ I_N 20 A ❸ Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❹	0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12 Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❹







Item No.		Pack. Unit
1-conductor/1-pin double-deck carrier terminal block, through/through terminal block,		
without marker carrier,		
gray housing		
○ L/L	**2022-2201/999-953**	50

Item No.		Pack. Unit
1-conductor/1-pin double-deck carrier terminal block, through/through terminal block,		
with marker carrier,		
blue housing		
● N/N	**2022-2234/999-953**	50

Item No.		Pack. Unit
2-conductor/2-pin double-deck carrier terminal block,		
2-conductor/2-pin ground conductor terminal block,		
without marker carrier, internal commoning,		
green-yellow housing		
◑ PE	**2022-2207/999-953**	50

❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"

❷ 630 V = rated voltage for Ex nA applications (see Full Line Catalog, Volume 1, Section 14)

❸ with double-deck vertical jumper 19 A

❹ Strip length, see packaging or instructions.

❺ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Vertical jumper, page 142

2022 Series Accessories

Appropriate marking systems: WMB/Marking strips/WMB Inline
(see Full Line Catalog, Volume 1, Section 13)

End and intermediate plate, 1 mm thick

orange	**2022-2292**	100 (4x25)
gray	**2022-2291**	100 (4x25)

Insulation stop,

5 pcs/strip, 0.25 - 0.5 mm²

light gray	**2002-171**	200 (8x25)

Insulation stop,

5 pcs/strip, 0.75 - 1 mm²

dark gray	**2002-172**	200 (8x25)

Push-in type jumper bar, insulated, ❺

I_N 25 A, light gray

2-way	**2002-402**	200 (8x25)
3-way	**2002-403**	200 (8x25)
4-way	**2002-404**	200 (8x25)
5-way	**2002-405**	100 (4x25)
6-way	**2002-406**	100 (4x25)
7-way	**2002-407**	100 (4x25)
8-way	**2002-408**	100 (4x25)
9-way	**2002-409**	100 (4x25)
10-way	**2002-410**	100 (4x25)

Push-in type jumper bar, insulated,

I_N 25 A, light gray

from 1 to 3	**2002-433**	200 (8x25)
from 1 to 4	**2002-434**	200 (8x25)
from 1 to 5	**2002-435**	100 (4x25)
from 1 to 6	**2002-436**	100 (4x25)
from 1 to 7	**2002-437**	100 (4x25)
from 1 to 8	**2002-438**	100 (4x25)
from 1 to 9	**2002-439**	100 (4x25)
from 1 to 10	**2002-440**	100 (4x25)

Double-deck vertical jumper, insulated, ❺

I_N 24 A

light gray	**2002-492**	100 (4x25)
orange	**2002-492/000-012**	

Carrier with 6 coding pins,

for coding female plugs

orange	**2022-100**	100 (4x25)

Test pin,

1 mm Ø

859-500	1

Protective warning marker,

with high-voltage symbol, black, for 5 terminal blocks

yellow	**2002-115**	100 (4x25)

Double-deck marker carrier,

pivoting

gray	**2002-121**	50 (2x25)

WMB Multi marking system,

10 strips with 10 markers per card, stretchable 5 - 5.2 mm

plain	**793-5501**	5

WMB Multi marking system, plain,

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

WMB Inline, plain,

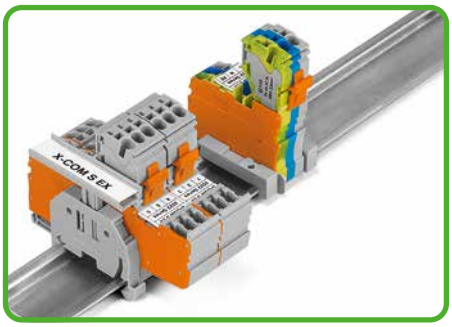
stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll

white	**2009-115**	1

Marking strip, plain,

11 mm wide, 50 m roll

white	**2009-110**	1



Group marking
with height-adjustable group marker carrier (2009-163)

X-COM® S-SYSTEM
1-Conductor Female Plugs for Ex nA Applications
2022 Series

CAGE CLAMP® S

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12
630 V ❷
I_N 20 A
Module width 5.2 mm / 0.205 in
10 - 12 mm / 0.43 in ❸

❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"
❷ 630 V = rated voltage for Ex nA applications
❸ (see Full Line Catalog, Volume 1, Section 14)
❹ Strip length, see packaging or instructions.

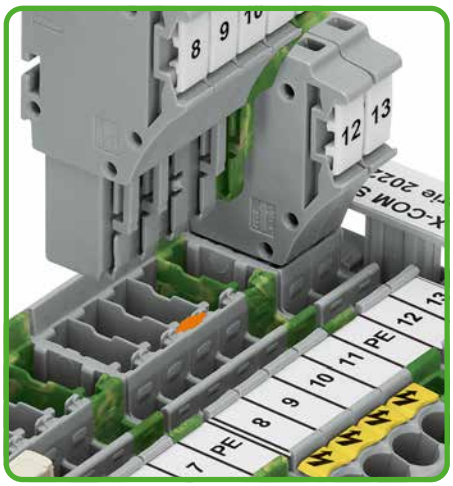
Pole No.	Item No.	Pack. Unit
1-conductor female plug with shorter locking lever, for insertion into carrier terminal blocks, with coding fingers, gray		
According to EN 61984, connectors without current interrupting capacity shall not be mated and unmated when live or under load.		
◯ 2	**2022-102/999-953**	200
◯ 3	**2022-103/999-953**	100
◯ 4	**2022-104/999-953**	100
◯ 5	**2022-105/999-953**	50
◯ 6	**2022-106/999-953**	50
◯ 7	**2022-107/999-953**	50
◯ 8	**2022-108/999-953**	50

Accessories

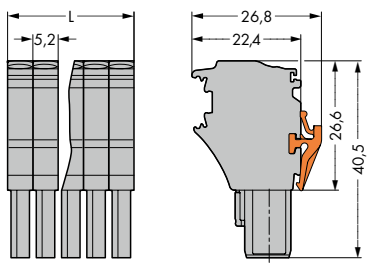
Appropriate marking system:
(see Full Line Catalog, Volume 1, Section 13)

Insulation stop,			
	5 pcs/strip, 0.25 - 0.5 mm² light gray	**2002-171**	200 (8x25)
Insulation stop,			
	5 pcs/strip, 0.75 - 1 mm² dark gray	**2002-172**	200 (8x25)
Protective warning marker,			
	with high-voltage symbol, black, for 5 terminal blocks yellow	**2002-115**	100 (4x25)
Carrier with 6 coding pins,			
	for coding female plugs orange	**2022-100**	100 (4x25)
Strain relief plate, gray			
	35 mm width	**734-326**	100 (4x25)
	6 mm wide	**734-327**	100 (4x25)
	12.5 mm width	**734-328**	100 (4x25)
	25 mm wide	**734-329**	100 (4x25)
	55 mm width	**734-430**	50 (2x25)
	75 mm width	**734-431**	50 (2x25)
WMB Multi marking system,			
	10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain	**793-5501**	5
WMB Inline, plain,			
	stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white	**2009-115**	1
Marking strip, plain,			
	11 mm wide, 50 m roll white	**2009-110**	1

To code a female plug, remove the desired coding finger using a suitable tool.



Insert a 2022-100 coding pin into the corresponding location of the carrier terminal block.

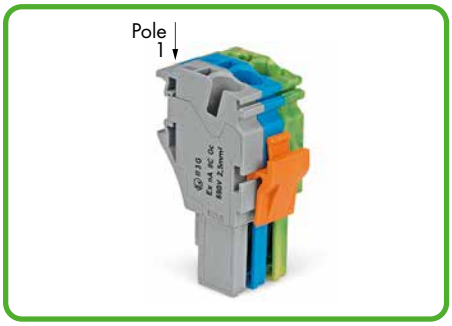


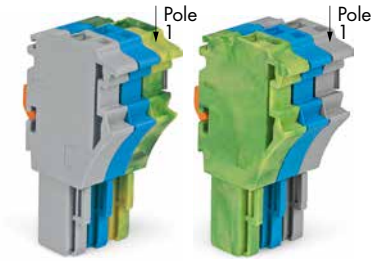
L = Number of poles x module width

Dimensions in mm

X-COM® -SYSTEM
Pre-Assembled Female Plugs for Ex nA Applications
2022 Series

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12
630 V ❷
I_N 20 A
Module width 5.2 mm / 0.205 in
10 - 12 mm / 0.43 in ❸





❶ Conductor sizes: 0.25 mm² – 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"
❷ 630 V = rated voltage for Ex nA applications
❸ (see Full Line Catalog, Volume 1, Section 14)
❹ Strip length, see packaging or instructions.

Pole No.	Item No.	Pack. Unit
1-conductor female plug with shorter locking lever with ground base module (green-yellow), for insertion into carrier terminal blocks, with coding fingers, gray, blue, green-yellow		
3	**2022-103/000-038/999-953**	100
1-conductor female plug with shorter locking lever with ground end module (green-yellow), for insertion into carrier terminal blocks, with coding fingers, green-yellow, blue, gray		
3	**2022-103/000-039/999-953**	100
For other lengths up to maximum 15 poles, please contact factory.		

Accessories Female Plugs

Appropriate marking systems: WMB/Marking strips/WMB Inline (see Full Line Catalog, Volume 1, Section 13)

Insulation stop,
5 pcs/strip, 0.25 - 0.5 mm²
light gray **2002-171** 200 (8x25)

Insulation stop,
5 pcs/strip, 0.75 - 1 mm²
dark gray **2002-172** 200 (8x25)

Protective warning marker,
with high-voltage symbol, black, for 5 terminal blocks
yellow **2002-115** 100 (4x25)

Strain relief plate, gray

35 mm width	**734-326**	100 (4x25)
6 mm wide	**734-327**	100 (4x25)
12.5 mm width	**734-328**	100 (4x25)
25 mm wide	**734-329**	100 (4x25)
55 mm width	**734-430**	50 (2x25)
75 mm width	**734-431**	50 (2x25)

WMB Multi marking system,
10 strips with 10 markers per card, stretchable 5 - 5.2 mm
plain **793-5501** 5

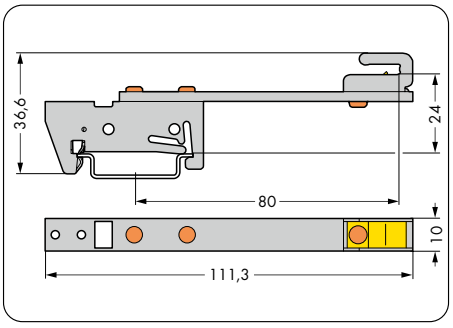
WMB Inline, plain,
stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll
white **2009-115** 1

Marking strip, plain,
11 mm wide, 50 m roll
white **2009-110** 1

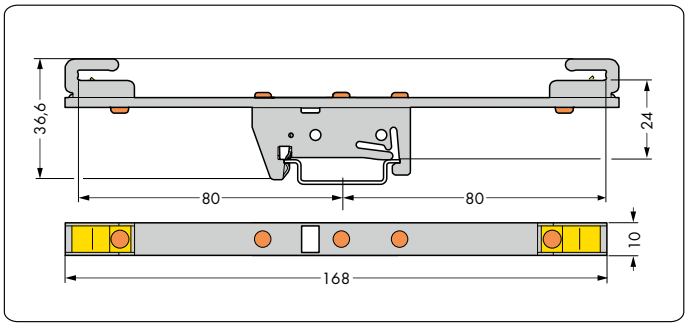
Busbar Carriers
790 Series

Busbar carrier	Busbar carrier

Item No.	Pack. Unit	Item No.	Pack. Unit
Busbar carrier, straight on one side, for busbars Cu 10 mm x 3 mm		**Busbar carrier,** angled on both sides, for busbars Cu 10 mm x 3 mm	
790-302	10	**790-312**	10



Dimensions in mm



Dimensions in mm

Voltage Tap
283 Series

800 V/8 kV/3 ❶
I_N 24 A

❶ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

	Item No.	Pack. Unit
Voltage tap,		
with 500 mm cable,		
for terminal blocks 16 mm² (283/783 Series) and		
35 mm² (285/785 Series)		
◯ gray	**283-407**	25

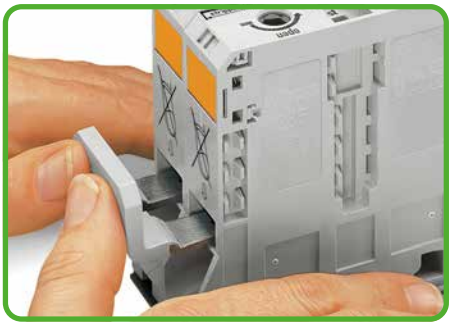
Always push voltage tap down into the terminal block until fully inserted!

High-Current, Rail-Mounted Terminal Blocks 50 mm² to 185 mm²
285 Series

Conductor termination – Step 1

Rotate Allen wrench counterclockwise to the stop ①. Then, push in orange locking tab for hands-free wiring.

Commoning



Commoning with adjacent jumper: Inserting the jumper above the conductor entry hole – prior to conductor termination. The nominal cross section remains unchanged.

Removing jumper via operating tool.

Conductor termination – Step 2

Insert stripped conductor until it hits backstop; hold this in position.

Conductor termination – Step 3

Unlock the locking tab with a short counter-clockwise turn ② of the Allen wrench to securely terminate the conductor.

Assembly

Snapping a terminal block onto the carrier rail. From the left or from the right.

Removal

Removing a terminal block from the assembly. To the left or to the right.

POWER CAGE CLAMP clamps the following copper conductors:*
solid

stranded

fine-stranded, also with tinned single strands

– Description and Handling –

Safety notes

For an optimum clamping force:
1. Bend conductor
2. Cut conductor to length (Conductor end must be straight!)
3. Strip conductor

Always observe the printed strip length!

Caution! Health hazard!
Keep your fingers out of the conductor entry hole!

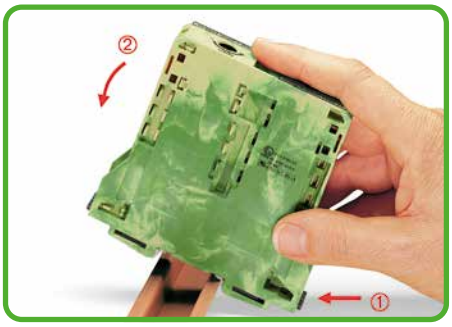
Safety notes

Protective warning marker may indicate:
Caution! Power is still on even after switching off the main switch!

Grounding foot

Ground conductor terminal blocks (limited to max. 120 mm²/250 MCM acc. to EN 60947-7-2) must be snapped onto a 2.3 mm thick copper carrier rail.

Ground conductor terminal blocks



Firmly snap the ground conductor terminal block onto the carrier rail. The contact foot is automatically secured on the rail, providing the appropriate power grounding connection.

Touchproof protection

Yellow, detachable covers provide touchproof safety by shielding jumper contact slots and/or unused conductor entries.

Testing

Testing with touch-proof test sockets 4 mm Ø.
(not offered by WAGO – e.g., mfd by Multi-Contact Deutschland GmbH)

Side-entry wiring means that even larger conductors, which offer limited flexibility, can be easily connected.

Marking

WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.

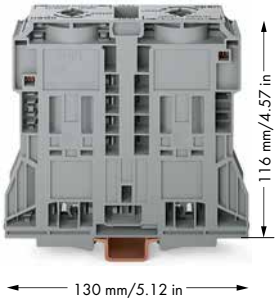
Marking

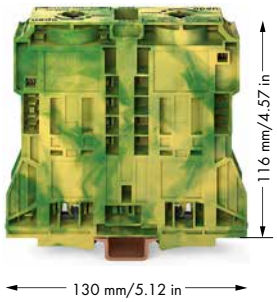
Besides WMB markers, marking strips can also be directly accommodated on the 185 mm² (350 MCM) terminal block.

fine-stranded,
with ferrule
(gastight crimped)

High-Current Through and Ground Conductor Terminal Blocks
185 mm²
285 Series

50 - 185 mm² | **2/0 AWG - 350 kcmil** **1000 V AC/DC/1500 VDC/12 kV/3** ❶ **I_N 353 A** **Terminal block width 32 mm / 1.26 in** **45 – 47 mm / 1.77 – 1.85 in** ❷	**50 - 120 mm²** | **1/0 AWG - 250 kcmil** **Terminal block width 32 mm / 1.26 in** **45 – 47 mm / 1.77 – 1.85 in** ❷	





Item No.		Pack. Unit
2-conductor through terminal block, to be used exclusively on DIN 35 x 15 rail		
gray	**285-1185**	5
blue	**285-1184**	5

Item No.		Pack. Unit
2-conductor ground terminal block, to be used exclusively on DIN 35 x 15 rail; 2.3 mm thick, copper		
green-yellow	**285-1187**	5

Item-Specific Accessories

Steel carrier rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long, unslotted	**210-118**	10
Copper carrier rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long, unslotted	**210-198**	10

Item-Specific Accessories

Copper carrier rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long, unslotted	**210-198**	10

285 Series Accessories

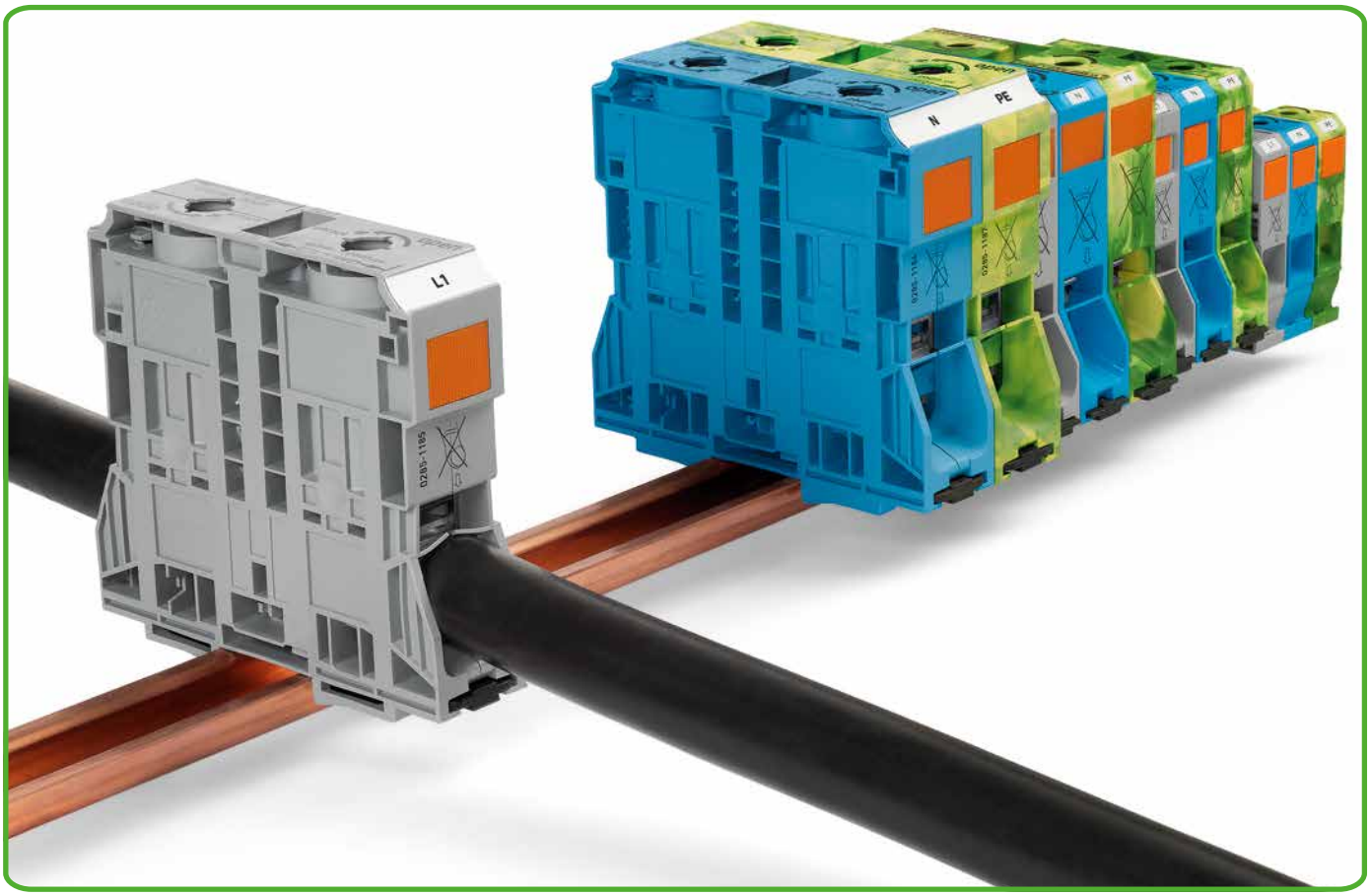
Appropriate marking systems: WMB/Marking strips/WMB Inline
(see Full Line Catalog, Volume 1, Section 13)

Adjacent jumper, insulated, I_N 309 A for 1 jumper, gray	**285-1171**	25
Protective warning marker, with high-voltage symbol, black, yellow	**285-1177**	50 (2x25)
Finger guard, touchproof cover protects unused conductor entries and jumper slots, yellow	**285-1178**	25
Allen wrench with partially insulated shaft	**285-172**	1
Three-phase set, with 35mm² high-current terminal blocks	**285-1169**	1
Screwless end stop, for DIN 35 rail, 14 mm wide, gray	**249-197**	10

WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll, white	**2009-115**	1
Marking strip, plain, 11 mm wide, 50 m roll, white	**2009-110**	1
WMB Multi marking system, 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm, plain	**793-501**	5
WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm, plain	**793-5501**	5

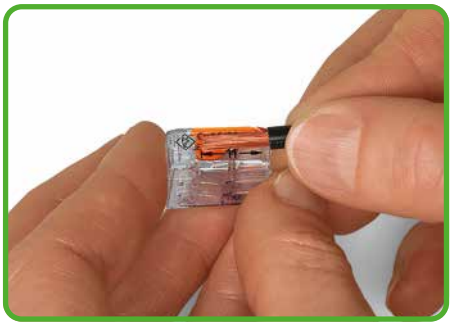
❶ AC/DC up to 1000 V = rated voltage
DC up to 1500 V
12 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❷ Strip length, see packaging or instructions.



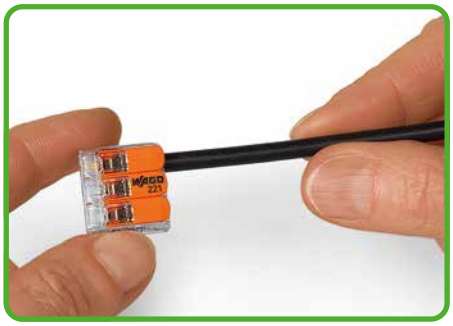
COMPACT Splicing Connectors for All Conductor Types, 221 Series – Description and Handling –

CAGE CLAMP®

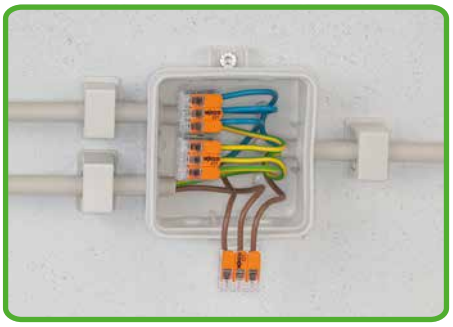


Strip wire to 11 mm / 0.43 in.

Termination: Open clamping unit using the lever and insert conductor.



Then lower lever to close the clamp.



Wiring fine-stranded conductors in a junction box.

Individual design of low-voltage lighting systems.

Lighting distribution in ceiling canopy

Pendant light connection in suspended ceilings

CAGE CLAMP® clamps the following copper conductors:*

solid	stranded	fine-stranded, also with tinned single strands	fine-stranded, tip-bonded

* For aluminum conductors, see notes in Full Line Catalog, Volume 1, Section 14.

COMPACT Splicing Connectors for All Conductor Types
221 Series

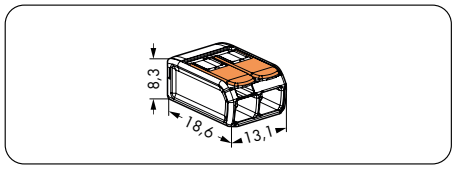
0.2 - 4 mm² "s+st" 0.14 - 4 mm² "f-st" 450 V/4 kV/2 ❶ I_N 32 A 11 mm / 0.43 in ❷	AWG 24 - 12
0.2 - 4 mm² "s+st" 0.14 - 4 mm² "f-st" 450 V/4 kV/2 ❶ I_N 32 A 11 mm / 0.43 in ❷	AWG 24 - 12

❶ in grounded power lines
450 V = rated voltage
4 kV = rated surge voltage
2 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

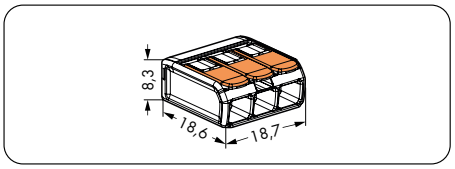
❷ Strip length, see packaging or instructions.

Item No.	Pack. Unit
COMPACT splicing connector for all conductor types, 2-conductor connector, with levers, max. continuous service temperature 105 °C	
221-412	1000 (10x100)

Item No.	Pack. Unit
COMPACT splicing connector for all conductor types, 3-conductor connector, with levers, max. continuous service temperature 105 °C	
221-413	500 (10x50)



Dimensions in mm



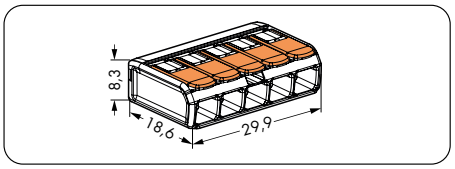
Dimensions in mm

Compact splicing connectors
Tool-free connection of up to 5 stripped fine-stranded conductors from 0.14 to 4 mm²/AWG 24 - 12, solid or stranded conductors from 0.2 to 4 mm²/AWG 24 - 12.

This is how it works:
Open the clamping point using one of the orange operating levers until the lever is in vertical position. The conductor can now be inserted, then the lever can be returned to its rest position, flush with the connector housing.

The safety:
The specially designed rest position of the lever reliably prevents accidental unclamping of a connected conductor. Application safety, for any type of conductor (solid, stranded, fine-stranded), is confirmed by approvals like ENEC and UL.

Item No.	Pack. Unit
COMPACT splicing connector for all conductor types, 5-conductor connector, with levers, max. continuous service temperature 105 °C	
221-415	400 (10x40)



Dimensions in mm

Vario-T-BOXX and Variobox

	Vario-T-BOXX High-quality Sortimo® plastic case containing a selection of WAGO installation connectors Dimensions: 440 x 350 x 80 mm	Variobox Indestructible Sortimo® metal case containing a selection of WAGO installation connectors Dimensions: 440 x 330 x 66 mm
		

Description	Item No.	Pack. Unit	Item No.	Pack. Unit
Vario-T-BOXX, Variobox	**Vario-T-BOXX**		**Variobox**	
	887-910	1	**887-911**	1
High-quality Sortimo® cases contain a selection of WAGO connectors for all applications in electrical building installations.	**Contains:**		**Contains:**	
	COMPACT PUSH WIRE® connectors for junction boxes		**COMPACT PUSH WIRE® connectors for junction boxes**	
	2 x 0.5 - 2.5 mm² **2273-202**	100	2 x 0.5 - 2.5 mm² **2273-202**	100
	3 x 0.5 - 2.5 mm² **2273-203**	100	3 x 0.5 - 2.5 mm² **2273-203**	100
	5 x 0.5 - 2.5 mm² **2273-205**	100	5 x 0.5 - 2.5 mm² **2273-205**	100
	8 x 0.5 - 2.5 mm² **2273-208**	50	8 x 0.5 - 2.5 mm² **2273-208**	50
	Compact splicing connectors		**Compact splicing connectors**	
	3 x 0.08 - 4 mm² **222-413**	50	3 x 0.08 - 4 mm² **222-413**	50
	5 x 0.08 - 4 mm² **222-415**	40	5 x 0.08 - 4 mm² **222-415**	40
	Lighting connectors		**Lighting connectors**	
	1 - 2.5 mm² **224-101**	100	1 - 2.5 mm² **224-101**	100
	MICRO PUSH WIRE® connectors for junction boxes		**MICRO PUSH WIRE® connectors for junction boxes**	
	dark gray		dark gray	
	4 x 0.6 - 0.8 mm Ø **243-204**	100	4 x 0.6 - 0.8 mm Ø **243-204**	100
	red		red	
	4 x 0.6 - 0.8 mm Ø **243-804**	100	4 x 0.6 - 0.8 mm Ø **243-804**	100
	dark gray		dark gray	
	8 x 0.6 - 0.8 mm Ø **243-208**	50	8 x 0.6 - 0.8 mm Ø **243-208**	50
	Mounting carrier		**Mounting carrier**	
	for 6 connectors **243-113**	10	for 6 connectors **243-113**	10

New Products – Volume 1
Separators for Matrix Patching Terminal Blocks, Power Supply Connectors and Strain Relief Plates

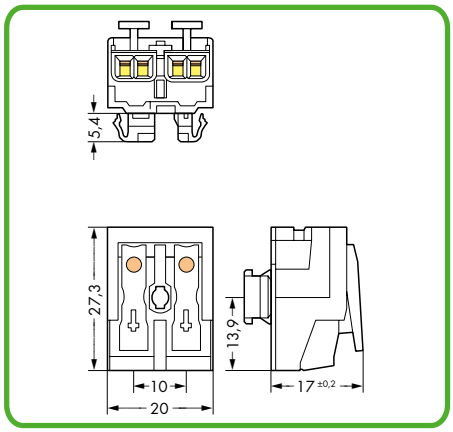
Seperator	0.5 - 2.5 mm² AWG 18 - 12 500 V/4 kV/2 I_N 24 A 8 - 9 mm / 0.31 - 0.35 in	Strain relief plate

	Item No.	Pack. Unit
Seperator, 3 mm oversized, 1 mm thick		
gray	**280-394**	100 (4x25)
orange	**280-395**	100 (4x25)

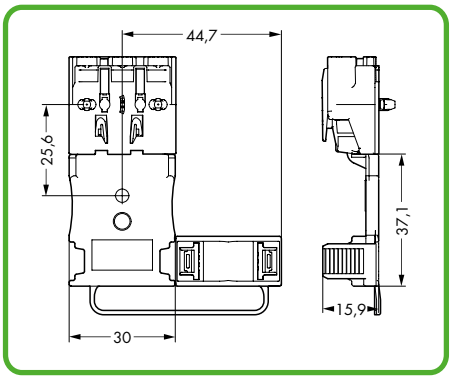
	Item No.	Pack. Unit
Lighting connector without ground contact, Linect®, with snap-in mounting feet, 2-pole, white		
DA- DA+	**294-8032**	1000

	Item No.	Pack. Unit
Strain relief plate, with locking clip, for multicore cable: 1 x outer diameter 5.2 - 12 mm		
white	**294-364**	50
Strain relief plate, with locking clip, for flat cables and individual conductors: min. 3 x 0.5 mm², max. 5 x 2.5 mm² or 7 x 1.5 mm²		
white	**294-384**	50

Separator for 3-conductor, double-potential terminal blocks (280-675)



Dimensions in mm



Dimensions in mm

Contents

Volume 2

Products highlighted in RED are new items for Autumn 2014

Contents

Volume 2

SMD Terminal Blocks, 0.34 mm²
3 mm Pin Spacing
2059 Series

- SMD terminal blocks with PUSH WIRE® connection technology
- Push-in termination of solid conductors
- Easy conductor removal, e.g., via operating tool
- Just 2.7 mm high
- Side-by-side arrangement without pole loss
- Available in tape-and-reel packaging for automated assembly

Technical Data

Pin Spacing	**3 mm 0.118 in**				
Ratings per	**IEC/EN 60664-1**				
Overvoltage category	III	III	II		
Degree of contamination	3	2	2		
Rated voltage	63 V	160 V	320 V		
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV		
Nominal current	3 A	3 A	3 A		
Approvals per	**UL 1977**				
Rated voltage, 1-pole	600 V				
Rated voltage, 2 or more poles	250 V				
Nominal current UL	3 A				

Conductor data:

Connection technology	PUSH WIRE®
Conductor size: solid	0.14–0.34 mm²
AWG	26–22 "sol."
Strip length	4–5.5 mm / 0.16–0.22 in
Conductor entry	0° to PCB

Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

2059 Series accessories:

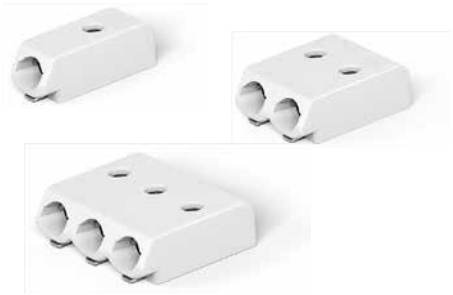
	Page:
Operating tool (206-859)	76
Operating tool (2059-189)	76

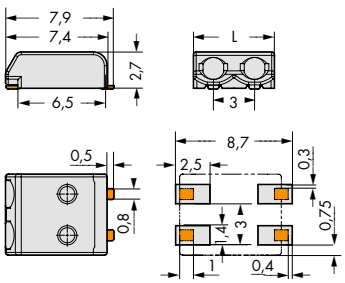
Application note:

Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

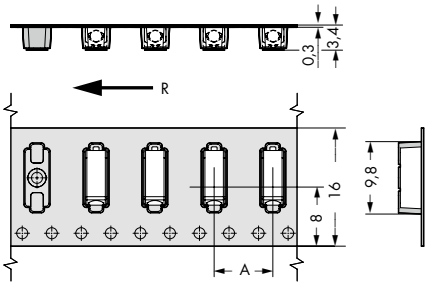
Recommendation for SMD positioning pattern: Material thickness, 150 µm. Pattern layout identical to solder pad layout.

Pin spacing 3 mm / 0.118 in			
0.14–0.34 mm² "sol." 160 V/2.5 kV/2 3 A	26–22 AWG "sol."		





L = (pole no. x pin spacing) - 0.1 mm



R = Feed direction
A = 8 mm (1-pole)
A = 12 mm (2- and 3-pole)

Pole No.	Item No.	Pack. Unit
SMD terminal blocks in tape-and-reel packaging, white *		
1	**2059-301/998-403**	31800 (12 x 2650)
2	**2059-302/998-403**	21000 (12 x 1750)
3	**2059-303/998-403**	21000 (12 x 1750)
Reel diameter: 330 mm		

Inserting solid conductors via push-in termination.

Easy conductor removal, e.g., via 206-859 operating tool.

* Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.

SMD Terminal Blocks with Push-Buttons, 0.75 mm²
4 mm Pin Spacing
2060 Series

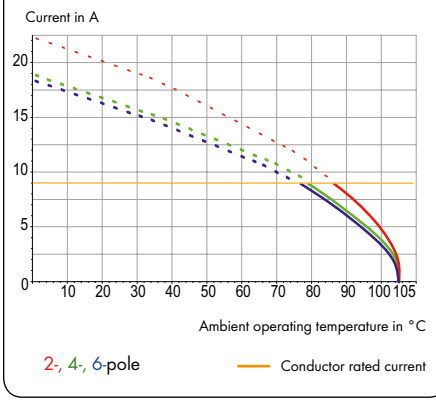
- SMD terminal blocks with CAGE CLAMP® S and push-buttons
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 4.5 mm high
- Available in tape-and-reel packaging for automated assembly
- White version

Technical Data

Pin Spacing	4 mm 0.157 in			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Degree of contamination	3	2	2	
Rated voltage	63 V	160 V	320 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	
Nominal current	9 A	9 A	9 A	
Approvals per	UL 1977			
Rated voltage, 1-pole	600 V			
Rated voltage, 2 or more poles	250 V			
Nominal current UL	9 A			

Current-Carrying Capacity Curve

Pin spacing: 4 mm / Conductor size: 0.75 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Conductor data:

Connection technology	CAGE CLAMP® S	
Conductor size: solid	0.2–0.75 mm²	
Conductor size: fine-stranded	0.2–0.75 mm²	
Conductor size: fine-stranded	0.25–0.34 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25–0.34 mm²	(with uninsulated ferrule)
AWG	24 – 18	
Strip length	7–9 mm / 0.28–0.35 in	
Conductor entry	0° to PCB	

Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

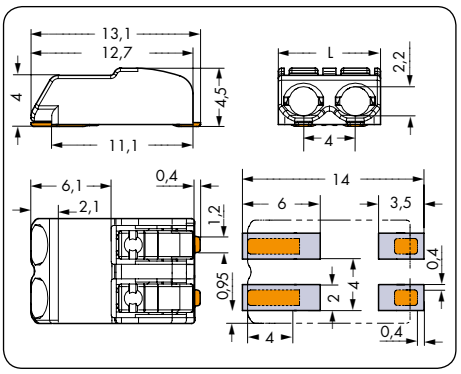
2060 Series accessories: **Page:**

Application note:

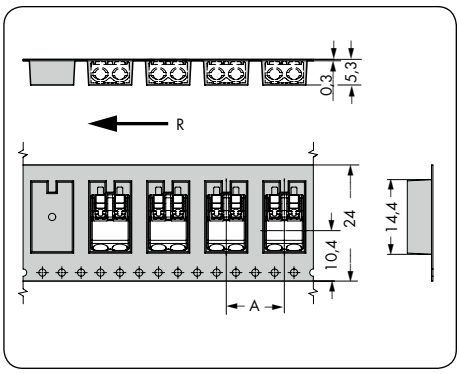
Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Recommendation for SMD positioning pattern: Material thickness, 150 µm. Pattern layout identical to solder pad layout.

Pin spacing 4 mm / 0.157 in			
0.2–0.75 mm² 160 V/2.5 kV/2 9 A	24–18 AWG		



L = (pole no. x pin spacing) + 0.1 mm



R = Feed direction
A = (pole no. x pin spacing) + 4 mm

Pole No.	Item No.	Pack. Unit
SMD terminal blocks with push-buttons, in tape-and-reel packaging, white*		
1	**2060-451/998-404**	13500 (9 x 1500)
2	**2060-452/998-404**	9000 (9 x 1000)
3	**2060-453/998-404**	6750 (9 x 750)
Reel diameter: 330 mm		

Inserting solid conductors via push-in termination.

Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-860 operating tool).

Terminal blocks can be arranged side-by-side without loss of poles.

* Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.

SMD Terminal Blocks with Push-Buttons, 0.75 mm²
8 mm Pin Spacing
2060 Series

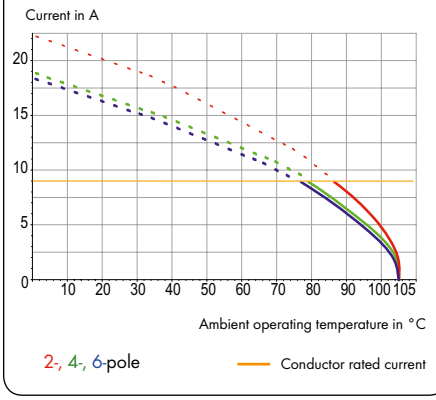
- SMD terminal blocks with CAGE CLAMP® S and push-buttons
- 8 mm pin spacing version for higher rated voltages
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Height of just 4.5 mm minimizes on-board LED shadowing
- Available in tape-and-reel packaging for automated assembly

Technical Data

Pin Spacing	8 mm 0.314 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Degree of contamination	3	2	2
Rated voltage	400 V	630 V	1000 V
Rated surge voltage	6 kV	6 kV	6 kV
Nominal current	9 A	9 A	9 A
Approvals per	UL 1977		
Rated voltage	600 V		
Nominal current UL	9 A		

Current-Carrying Capacity Curve

Pin spacing: 4 mm / Conductor size: 0.75 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Conductor data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.2–0.75 mm²
Conductor size: fine-stranded	0.2–0.75 mm²
Conductor size: fine-stranded	0.25–0.34 mm² (with insulated ferrule)
Conductor size: fine-stranded	0.25–0.34 mm² (with uninsulated ferrule)
AWG	24 – 18
Strip length	7–9 mm / 0.28–0.35 in
Conductor entry	0° to PCB

Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

2060 Series accessories: **Page:**

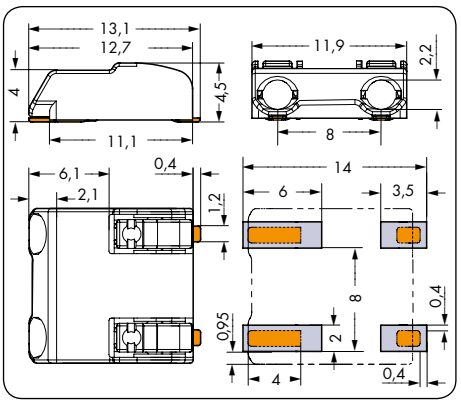
Application note:

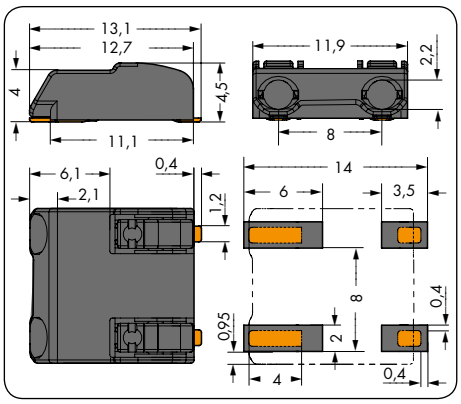
Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

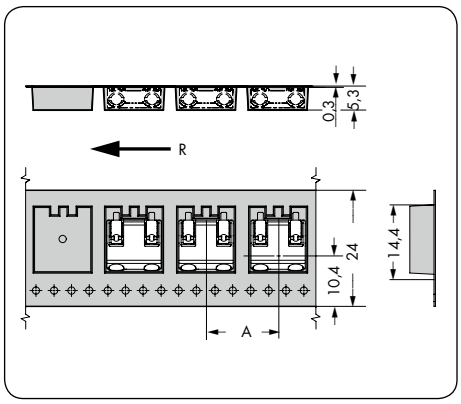
Recommendation for SMD positioning pattern: Material thickness, 150 µm. Pattern layout identical to solder pad layout.

SMD Terminal Blocks with Push-Buttons, 0.75 mm²

Pin spacing 8 mm / 0.314 in		Pin spacing 8 mm / 0.314 in		
0.2–0.75 mm² 630 V/6 kV/2 9 A	24–18 AWG	0.2–0.75 mm² 630 V/6 kV/2 9 A	24–18 AWG	







R = Feed direction
A + 16 mm

Pole No.	Item No.	Pack. Unit
SMD terminal blocks with push-buttons, in tape-and-reel packaging, white*		
2	**2060-852/998-404**	6750 (9 x 750)
Reel diameter: 330 mm		

Pole No.	Item No.	Pack. Unit
SMD terminal blocks with push-buttons in tape-and-reel packaging, black*		
2	**2060-872/998-404**	6750 (9 x 750)
Reel diameter: 330 mm		

Inserting solid conductors via push-in termination.
(Picture shows 2060 Series)

Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-860 operating tool).

* Depending on reflow soldering temperatures and times, color deviations may occur.
These deviations will have no impact on functionality.

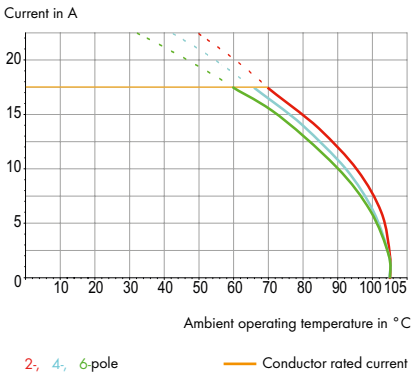
SMD Terminal Blocks with Push-Buttons, 1.5 mm²
6 mm Pin Spacing
2061 Series

- SMD terminal blocks with CAGE CLAMP® S and push-buttons
- Just 5.6 mm high
- Push-in termination of solid and ferruled conductors
- Push-buttons for easy connection and removal of all conductor types
- Available in tape-and-reel packaging for automated assembly

Technical Data

Pin Spacing	6 mm / 0.24 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Degree of contamination	3	2	2
Rated voltage	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Nominal current	17.5 A	17.5 A	17.5 A
Approvals per	UL		
Use group UL 1059	B	C	D
Rated voltage, 1-pole	600 V	–	600 V
Rated voltage, 2 or more poles	300 V	–	300 V
Nominal current UL	10 A	–	10 A

Current-Carrying Capacity Curve
Pin spacing: 6 mm / Conductor size: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Conductor data:

Connection technology	CAGE CLAMP® S	
Conductor size: solid	0.5–1.5 mm²	
Conductor size: fine-stranded	0.5–1.5 mm²	
Conductor size: fine-stranded	0.5–0.75 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.5–0.75 mm²	(with uninsulated ferrule)
AWG	20 – 16	
Strip length	7–10 mm / 0.28–0.39 in	
Conductor entry	0° to PCB	

Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60°C / +105°C
Contact material	Copper alloy
Contact plating	Tin-plated

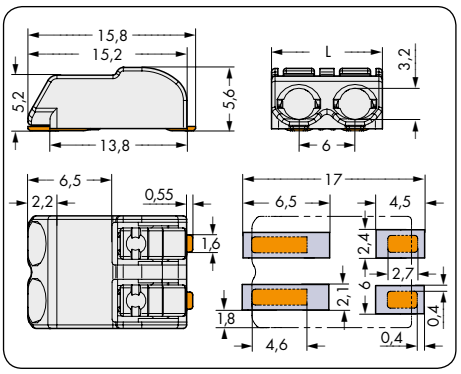
2061 Series accessories:

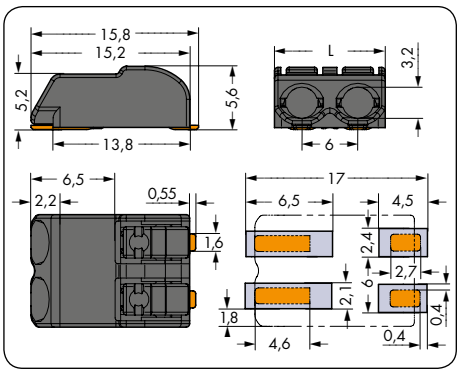
Application note:
Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Recommendation for SMD positioning pattern: Material thickness, 150 µm. Stencil layout identical to pad layout.

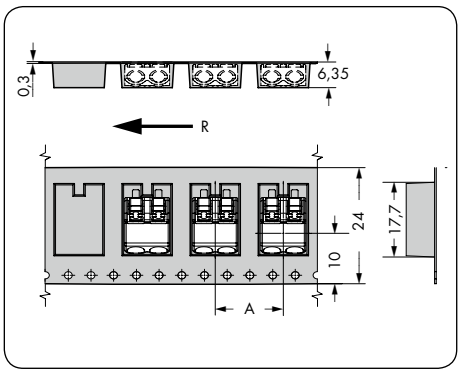
SMD Terminal Blocks with Push-Buttons, 1.5 mm²

Pin spacing: 6 mm / 0.24 in		Pin spacing: 6 mm / 0.24 in		
0.5–1.5 mm² 320 V/4 kV/2 17.5 A	20–16 AWG	0.5–1.5 mm² 320 V/4 kV/2 17.5 A	20–16 AWG	





L = (pole no. x pin spacing) + 0.3 mm



R = Feed direction
A = 12 mm (1-pole)
A = 16 mm (2-pole)
A = 22 mm (3-pole)

Pole No.	Item No.	Pack. Unit
SMD terminal blocks with push-buttons in tape-and-reel packaging, white*		
1	**2061-601/998-404**	8100 (9 x 900)
2	**2061-602/998-404**	6300 (9 x 700)
3	**2061-603/998-404**	4050 (9 x 450)
Reel diameter: 330 mm		

Pole No.	Item No.	Pack. Unit
SMD terminal blocks with push-buttons in tape-and-reel packaging, black*		
1	**2061-621/998-404**	8100 (9 x 900)
2	**2061-622/998-404**	6300 (9 x 700)
3	**2061-623/998-404**	4050 (9 x 450)
Reel diameter: 330 mm		

Inserting solid conductors via push-in termination.

Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-861 operating tool).

* Depending on reflow soldering temperatures and times, color deviations may occur for white connectors. These deviations will have no impact on functionality.

SMD Terminal Blocks with Push-Buttons, 0.75 mm²
4 mm Pin Spacing
2060 Series

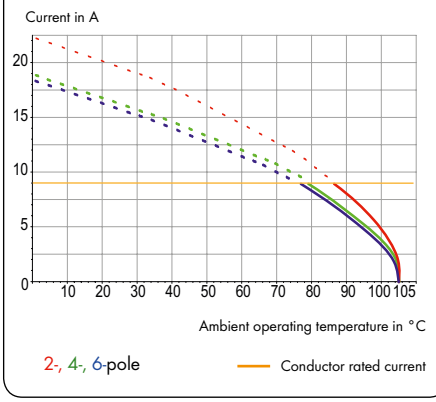
- SMD terminal blocks with CAGE CLAMP® S and push-buttons
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 4.5 mm high
- Available in tape-and-reel packaging for automated assembly

Technical Data

Pin Spacing	4 mm 0.157 in			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Degree of contamination	3	2	2	
Rated voltage	63 V	160 V	320 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	
Nominal current	9 A	9 A	9 A	
Approvals per	UL 1977			
Rated voltage, 1-pole	600 V			
Rated voltage, 2 or more poles	250 V			
Nominal current UL	9 A			

Current-Carrying Capacity Curve

Pin spacing: 4 mm / Conductor size: 0.75 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Conductor data:

Connection technology	CAGE CLAMP® S	
Conductor size: solid	0.2–0.75 mm²	
Conductor size: fine-stranded	0.2–0.75 mm²	
Conductor size: fine-stranded	0.25–0.34 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25–0.34 mm²	(with uninsulated ferrule)
AWG	24 – 18	
Strip length	7–9 mm / 0.28–0.35 in	
Conductor entry	0° to PCB	

Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

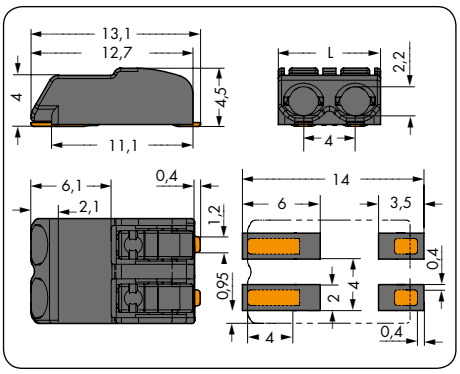
2060 Series accessories: **Page:**

Application note:

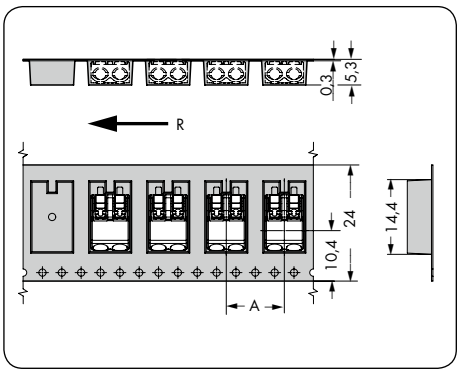
Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Recommendation for SMD positioning pattern: Material thickness, 150 µm. Pattern layout identical to solder pad layout.

Pin spacing 4 mm / 0.157 in			
0.2–0.75 mm² 160 V/2.5 kV/2 9 A	24–18 AWG		



L = (pole no. x pin spacing) + 0.1 mm



R = Feed direction
A = (pole no. x pin spacing) + 4 mm

Pole No.	Item No.	Pack. Unit
SMD terminal blocks with push-buttons in tape-and-reel packaging, black*		
1	**2060-471/998-404**	13500 (9 x 1500)
2	**2060-472/998-404**	9000 (9 x 1000)
3	**2060-473/998-404**	6750 (9 x 750)
Reel diameter: 330 mm		

Inserting solid conductors via push-in termination.

Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-860 operating tool).

Terminal blocks can be arranged side-by-side without loss of poles.

SMD Terminal Blocks with Push-Buttons, 0.75 mm²
8 mm Pin Spacing
2060 Series

- SMD terminal blocks with CAGE CLAMP® S and push-buttons
- 8 mm pin spacing version for higher rated voltages
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Height of just 4.5 mm minimizes on-board LED shadowing
- Available in tape-and-reel packaging for automated assembly

Technical Data

Pin Spacing	8 mm 0.314 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Degree of contamination	3	2	2
Rated voltage	400 V	630 V	1000 V
Rated surge voltage	6 kV	6 kV	6 kV
Nominal current	9 A	9 A	9 A
Approvals per	UL 1977		
Rated voltage	600 V		
Nominal current UL	9 A		

Conductor data:

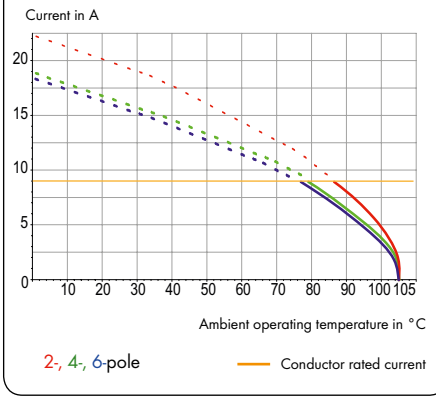
Connection technology	CAGE CLAMP® S
Conductor size: solid	0.2–0.75 mm²
Conductor size: fine-stranded	0.2–0.75 mm²
Conductor size: fine-stranded	0.25–0.34 mm² (with insulated ferrule)
Conductor size: fine-stranded	0.25–0.34 mm² (with uninsulated ferrule)
AWG	24 – 18
Strip length	6–7 mm / 0.24–0.28 in
Conductor entry	0° to PCB

Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

Current-Carrying Capacity Curve

Pin spacing: 4 mm / Conductor size: 0.75 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



2060 Series accessories: **Page:**

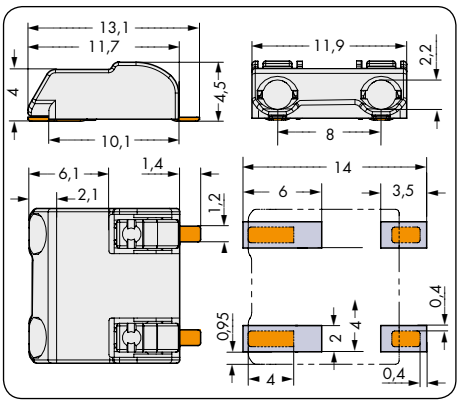
Operating tool (206-860)	76
Operating tool (2060-189)	76

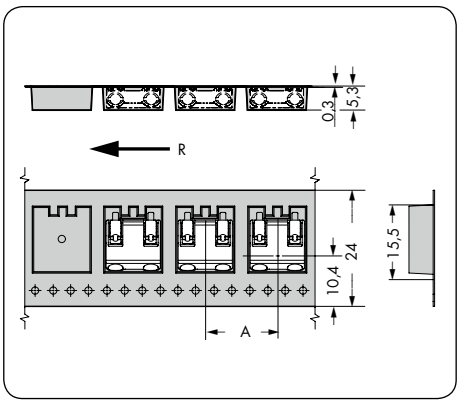
Application note:

Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Recommendation for SMD positioning pattern: Material thickness, 150 µm. Pattern layout identical to solder pad layout.

Pin spacing 8 mm / 0.314 in			
0.2–0.75 mm² 630 V/6 kV/2 9 A	24–18 AWG		





R = Feed direction
A + 16 mm

Pole No.	Item No.	Pack. Unit
SMD terminal blocks with push-buttons in tape-and-reel packaging, light gray*		
2	**2060-802/998-404**	6750 (9 x 750)
Reel diameter: 330 mm		

Inserting solid conductors via push-in termination.
(Picture shows 2060 Series)

Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-860 operating tool).

Depending on reflow soldering temperatures and times, color deviations may occur for light gray connectors. These deviations will have no impact on functionality.

THR Terminal Blocks with Push-Buttons, 0.75 mm²
4 mm Pin Spacing
2060 Series

- THR terminal blocks with CAGE CLAMP® S and push-buttons
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 4.5 mm high
- Available in tape-and-reel packaging for automated assembly
- Also suitable for wave soldering

Technical Data

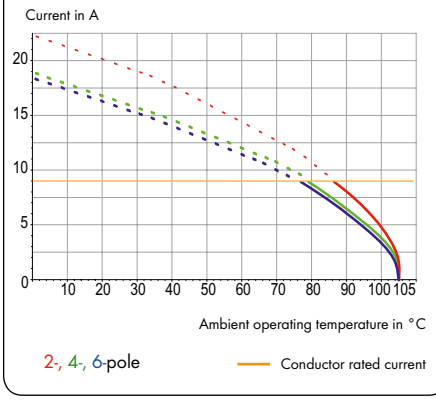
Pin Spacing	4 mm 0.157 in			
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Degree of contamination	3	2	2	
Rated voltage	63 V	160 V	320 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	
Nominal current	9 A	9 A	9 A	

Conductor data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.2–0.75 mm²
Conductor size: fine-stranded	0.2–0.75 mm²
Conductor size: fine-stranded	0.25–0.34 mm² (with insulated ferrule)
Conductor size: fine-stranded	0.25–0.34 mm² (with uninsulated ferrule)
AWG	24 – 18
Strip length	6–7 mm / 0.24–0.28 in
Conductor entry	0° to PCB
Solder pin: length/width	2.4 mm / 1.2 x 0.75 mm
Solder pin: metal-plated hole	1.5$^{+0.1}$ mm Ø
Outer diameter of metal-plated PCB hole	min. 2.4 mm

Current-Carrying Capacity Curve

Pin spacing: 4 mm / Conductor size: 0.75 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

2060 Series accessories: **Page:**

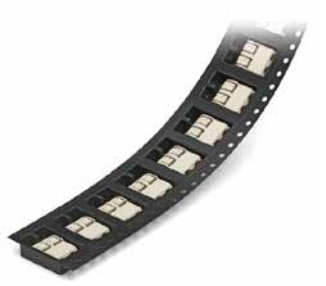
Operating tool (206-860)	76
Operating tool (2060-189)	76

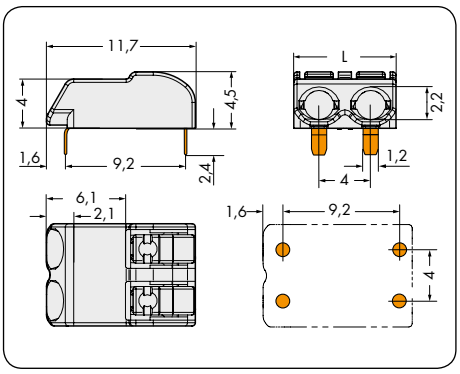
Application note:
Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

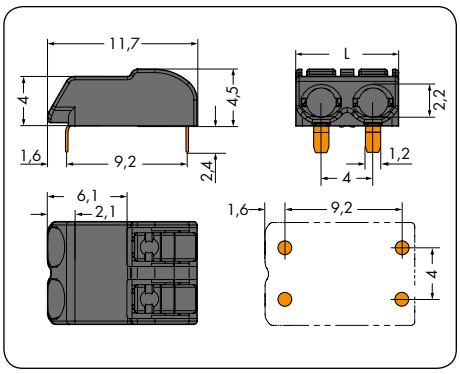
Recommendation for SMD positioning pattern: Material thickness, 150 µm.
The stencil hole diameter is identical to the outer diameter of the metal-plated PCB hole.

THR Terminal Blocks with Push-Buttons, 0.75 mm²

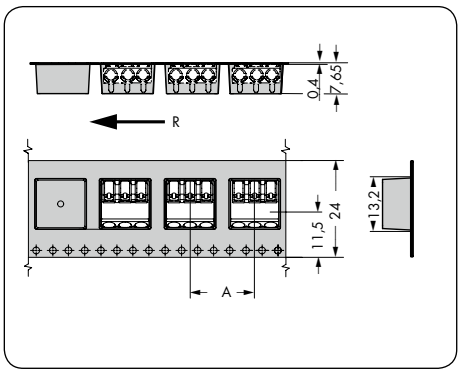
Pin spacing 4 mm / 0.157 in		Pin spacing 4 mm / 0.157 in		
0.2–0.75 mm² 160 V/2.5 kV/2 9 A	24–18 AWG	0.2–0.75 mm² 160 V/2.5 kV/2 9 A	24–18 AWG	







L = (pole no. x pin spacing) + 0.1 mm



R = Feed direction
A = (pole no. x pin spacing) + 4 mm

Pole No.	Item No.	Pack. Unit
THR terminal blocks with push-buttons in tape-and-reel packaging, light gray*		
1	**2060-1401/998-404**	10800 (9 x 1200)
2	**2060-1402/998-404**	6750 (9 x 750)
3	**2060-1403/998-404**	4950 (9 x 550)
Reel diameter: 330 mm		

Pole No.	Item No.	Pack. Unit
THR terminal blocks with push-buttons in tape-and-reel packaging, black*		
1	**2060-1421/998-404**	10800 (9 x 1200)
2	**2060-1422/998-404**	6750 (9 x 750)
3	**2060-1423/998-404**	4950 (9 x 550)
Reel diameter: 330 mm		

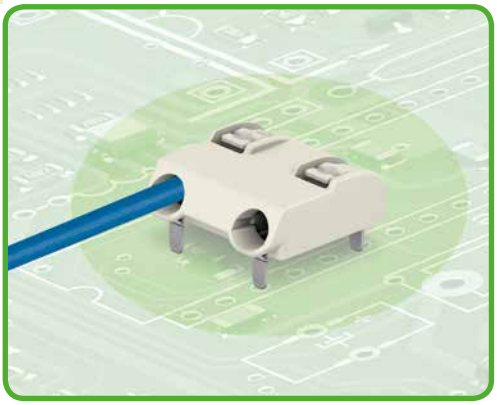
Inserting solid conductors via push-in termination.

Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-860 operating tool).

Terminal blocks can be arranged side-by-side without loss of poles.

* Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.

THR Terminal Blocks with Push-Buttons, 0.75 mm²
8 mm Pin Spacing
2060 Series



- THR terminal blocks with CAGE CLAMP® S and push-buttons
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 4.5 mm high
- Available in tape-and-reel packaging for automated assembly
- Also suitable for wave soldering

Technical Data

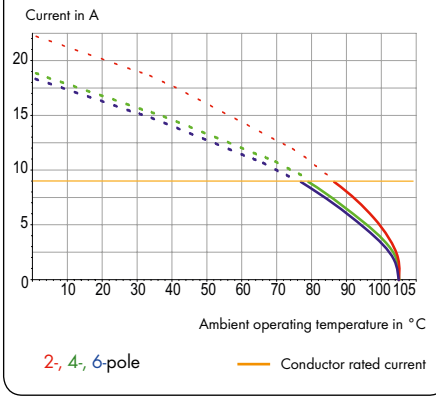
Pin Spacing	8 mm 0.314 in				
Ratings per	IEC/EN 60664-1				
Overvoltage category	III	III	II		
Degree of contamination	3	2	2		
Rated voltage	400 V	630 V	1000 V		
Rated surge voltage	6 kV	6 kV	6 kV		
Nominal current	9 A	9 A	9 A		

Conductor data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.2–0.75 mm²
Conductor size: fine-stranded	0.2–0.75 mm²
Conductor size: fine-stranded	0.25–0.34 mm² (with insulated ferrule)
Conductor size: fine-stranded	0.25–0.34 mm² (with uninsulated ferrule)
AWG	24 – 18
Strip length	6–7 mm / 0.24–0.28 in
Conductor entry	0° to PCB
Solder pin: length/width	2.4 mm / 1.2 x 0.75 mm
Solder pin: metal-plated hole	1.5$^{+0.1}$ mm Ø
Outer diameter of metal-plated PCB hole	min. 2.4 mm

Current-Carrying Capacity Curve

Pin spacing: 4 mm / Conductor size: 0.75 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

2060 Series accessories: **Page:**

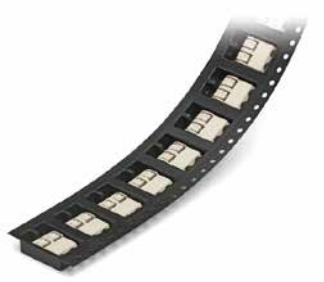
Operating tool (206-860)	76
Operating tool (2060-189)	76

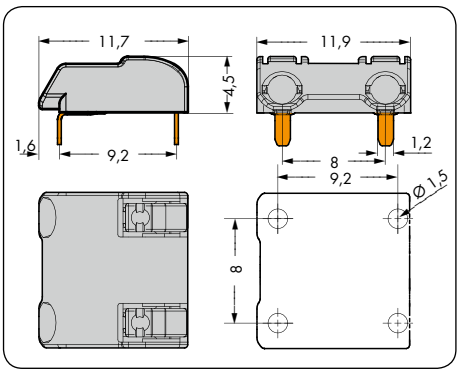
Application note:
Suitable for lead-free, reflow-soldering profiles acc. to DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

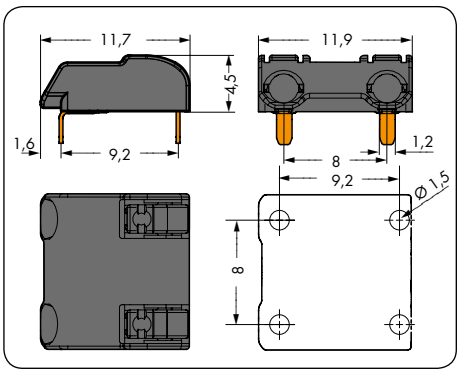
Recommendation for SMD positioning pattern: Material thickness, 150 µm.
The stencil hole diameter is identical to the outer diameter of the metal-plated PCB hole.

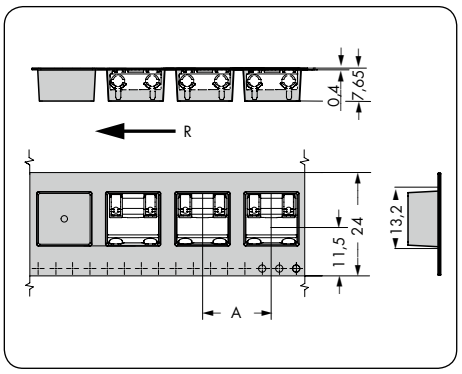
THR Terminal Blocks with Push-Buttons, 0.75 mm²

Pin spacing 8 mm / 0.314 in		Pin spacing 8 mm / 0.314 in		
0.2–0.75 mm² 630 V/6 kV/2 9 A	24–18 AWG	0.2–0.75 mm² 630 V/6 kV/2 9 A	24–18 AWG	









R = Feed direction
A + 16 mm

Pole No.	Item No.	Pack. Unit
THR terminal blocks with push-buttons in tape-and-reel packaging, light gray*		
2	**2060-1802/998-404**	4950 (9 x 550)
Reel diameter: 330 mm		

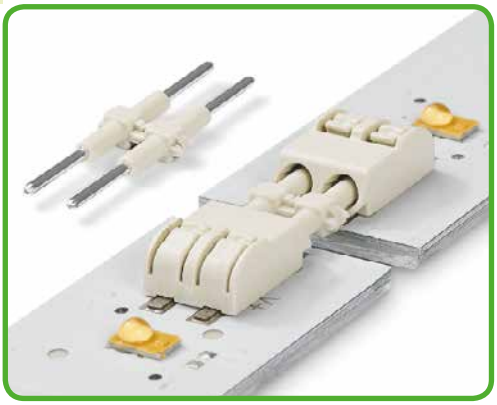
Pole No.	Item No.	Pack. Unit
THR terminal blocks with push-buttons in tape-and-reel packaging, black*		
2	**2060-1822/998-404**	4950 (9 x 550)
Reel diameter: 330 mm		

Inserting solid conductors via push-in termination.

Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-860 operating tool).

Depending on reflow soldering temperatures and times, color deviations may occur for light gray connectors. These deviations will have no impact on functionality.

Board-to-Board Links for SMD Terminal Blocks with Push-Buttons, 0.75 mm², 4 mm Pin Spacing 2060 Series



- Board-to-board link simplifies in-line assembly of LED modules
- Easy push-in termination and disconnection without push-button actuation

Technical Data

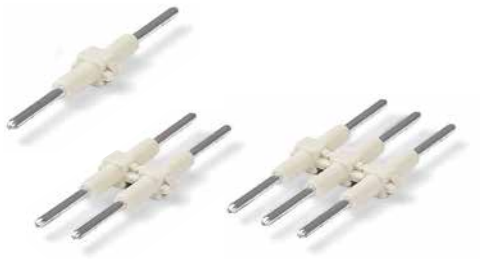
Pin Spacing	**4 mm 0.157 in**				
Ratings per	**IEC/EN 60664-1**				
Overvoltage category	III	III	II		
Degree of contamination	3	2	2		
Rated voltage	63 V	160 V	320 V		
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV		
Nominal current	9 A	9 A	9 A		
Approvals per	**UL/CSA**				
Rated voltage	250 V				
Nominal current UL	9 A				

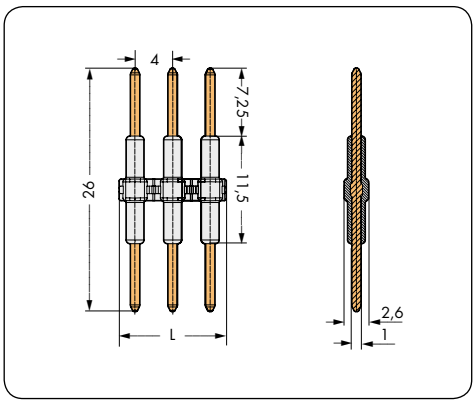
Material data:

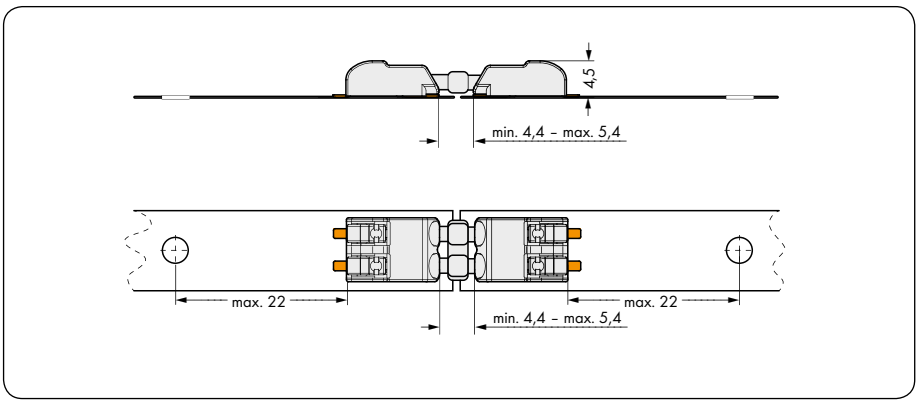
Material group	I
Insulation material	Polyamide 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Silver-plated

Board-to-Board Links for SMD Terminal Blocks with Push-Buttons, 0.75 mm²

Pin spacing 4 mm / 0.157 in			
160 V/2.5 kV/2 9 A	250 V/9 A		

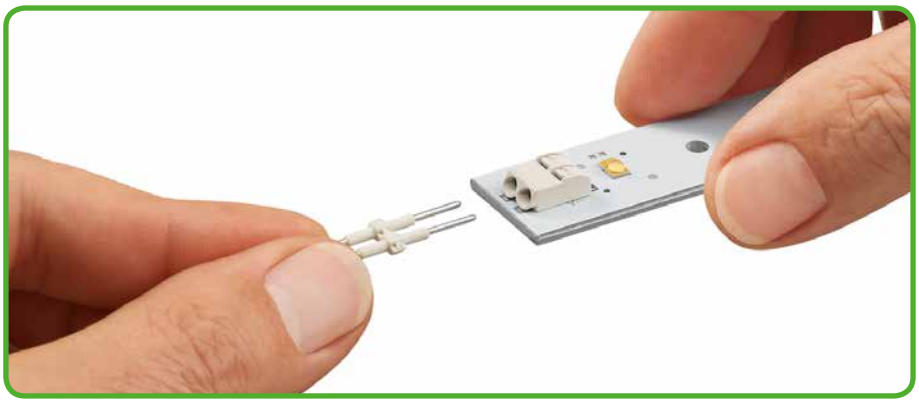




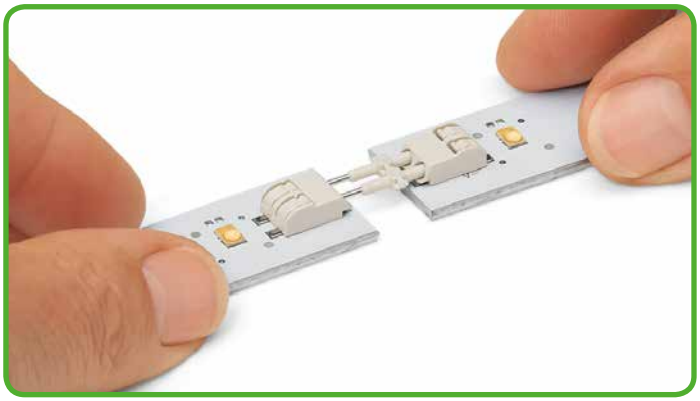


L = (pole no. x pin spacing) + 0.6 mm

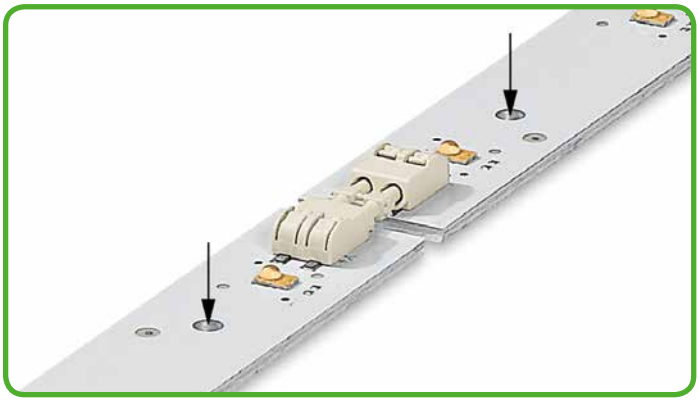
Pole No.	Item No.	Pack. Unit
Board-to-board link for SMD terminal blocks with push-buttons		
1	**2060-901**	1500
2	**2060-902**	500
3	**2060-903**	375



Inserting board-to-board link into terminal block.



Assembly: Place PCBs on a flat surface and insert links into terminal blocks on adjoining PCBs.
Disassembly: Pull PCBs apart.
(max. 10 connections/disconnections)



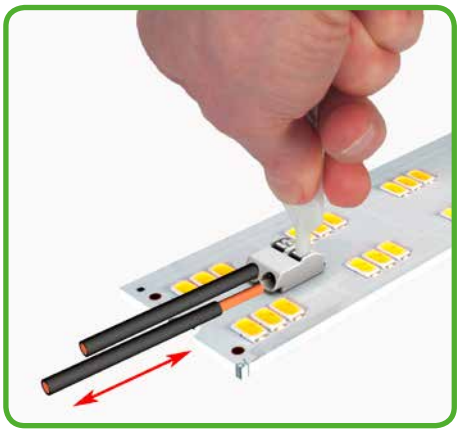
The PCBs must be secured (see figure above).

Operating Tools

Operating Tools	Operating Tools Insulated	

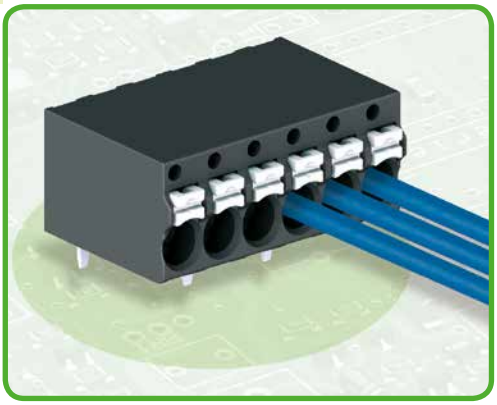
	Item No.	Pack. Unit		Item No.	Pack. Unit	
Operating tool, suitable for 2059, 2060 and 2061 Series			**Operating tool, insulated**, suitable for 2059, 2060 and 2061 Series			
for 2059 Series	**206-859**	5	for 2059 Series	**2059-189**	600 (12 x 50)	
for 2060 Series	**206-860**	5	for 2060 Series	**2060-189**	300 (6 x 50)	
for 2061 Series	**206-861**	5	for 2061 Series	**2061-189**	300 (6 x 50)	

Inserting/removing fine-stranded conductors by lightly pressing on push-button.



Inserting/removing fine-stranded conductors by lightly pressing on push-button.

THR* Terminal Blocks with Push-Buttons
3.5 mm Pin Spacing
2081 Series



- Integration of high-temperature resistant THR* terminal blocks into SMT Reflow soldering processes
- Tape-and-reel packaging for automated assembly available on request
- Simple, push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Versions with alternating soldering pins available for higher voltage levels

Technical Data

Pin Spacing	Solder pins, in line 3.5 mm / 0.138 in			Solder pins, staggered 3.5 mm / 0.138 in			
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Degree of contamination	3	2	2	3	2	2	
Rated voltage	160 V	160 V	320 V	250 V	320 V	630 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	4 kV	4 kV	4 kV	
Nominal current	17.5 A	17.5 A	17.5 A	17.5 A	17.5 A	17.5 A	
Approvals per	UL/CSA**			UL/CSA**			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage							
Nominal current UL							
Nominal current CSA							

Conductor and solder pin data:

Connection technology	CAGE CLAMP® S	
Conductor size: solid	0.2–1.5 mm²	
Conductor size: fine-stranded	0.2–1.5 mm²	
Conductor size: fine-stranded	0.75 mm²	(with insulated ferrule)
Conductor size: fine-stranded	1.0 mm²	(with uninsulated ferrule)
AWG	24 – 16	
Strip length	8–9 mm	
Conductor entry	90° to PCB	
Solder pin: length/width	2.4 mm / 0.4 x 0.75 mm	
Solder pin: drilled hole diameter	$1.0^{+0.1}$ mm	

Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

2081 Series accessories: **Volume 2/Page:**

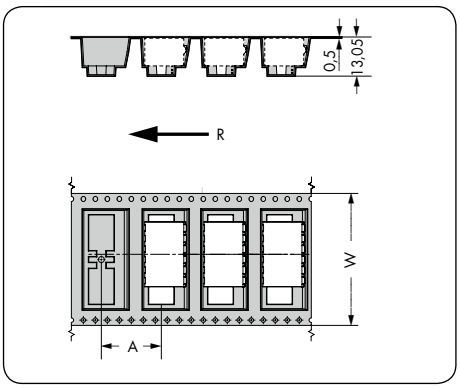
Operating Tools	526 – 528
Test pin	538

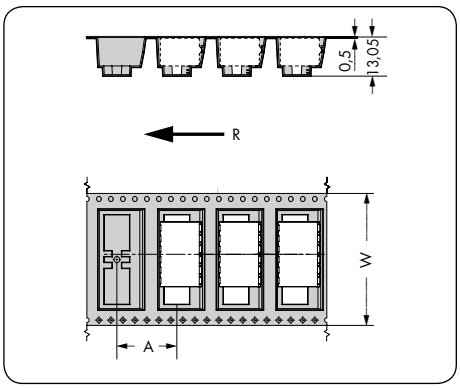
**UL/CSA approval pending Approvals are available online at: www.wago.com For more technical information, see Full Line Catalog, Volume 2, Section 11

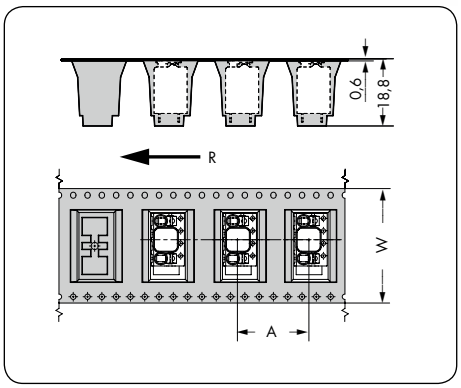
*For THR soldering, see Full Line Catalog, Volume 2, page 81

THR* terminal blocks with push-buttons, in tape-and-reel packaging

With angled, in-line solder pins Pin spacing: 3.5 mm / 0.138 in		With angled, staggered solder pins Pin spacing: 3.5 mm / 0.138 in		With straight, staggered solder pins Pin spacing: 3.5 mm / 0.138 in	
0.2–1.5 mm² 160 V/2.5 kV/2 17.5 A	24–16 AWG	0.2–1.5 mm² 320 V/4 kV/2 17.5 A	24–16 AWG	0.2–1.5 mm² 320 V/4 kV/2 17.5 A	24–16 AWG







R = Feed direction
A = 20 mm

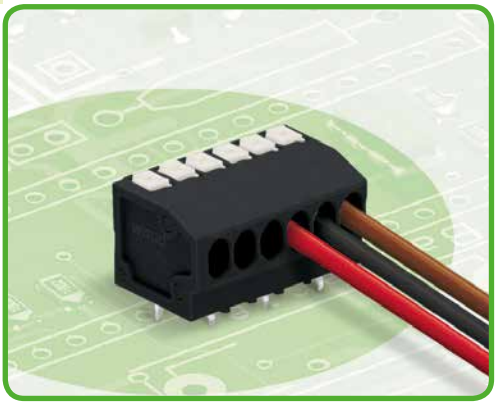
Pole No.	Item No.	W
THR terminal blocks with push-buttons, with angled, in-line solder pins, in tape-and-reel packaging acc. to IEC 60286-3, black		
3	**2081-1203/200-604/997-404**	24
4	**2081-1204/200-604/997-404**	24
5	**2081-1205/200-604/997-406**	44
6	**2081-1206/200-604/997-406**	44
8	**2081-1208/200-604/997-406**	44
Reel diameter: 330 mm, 230 pieces per reel		

Pole No.	Item No.	W
THR* terminal blocks with push-buttons, with angled, staggered solder pins, in tape-and-reel packaging acc. to IEC 60286-3, black		
3	**2081-1223/200-604/997-404**	24
4	**2081-1224/200-604/997-404**	24
5	**2081-1225/200-604/997-406**	44
6	**2081-1226/200-604/997-406**	44
8	**2081-1228/200-604/997-406**	44
Reel diameter: 330 mm, 230 pieces per reel		

Pole No.	Item No.	W
THR* terminal blocks with push-buttons, with angled, straight solder pins, in tape-and-reel packaging acc. to IEC 60286-3, black		
3	**2081-1123/200-604/997-405**	32
4	**2081-1124/200-604/997-405**	32
5	**2081-1125/200-604/997-405**	32
Reel diameter: 330 mm, 150 pieces per reel		

For other lengths, please contact factory.

THR* Terminal Blocks with Push-Buttons, 1,5 mm²
3.5 mm Pin Spacing
805 Series



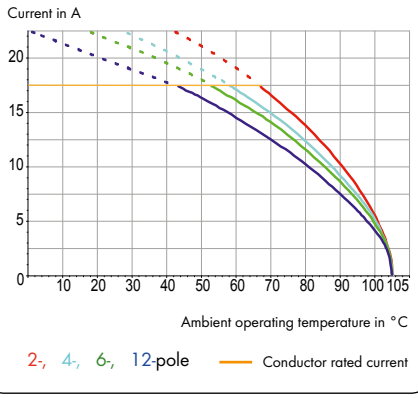
- THR* terminal blocks with with push-button actuated CAGE CLAMP® S
- Simple, push-in terminations of solid and ferruled conductors
- Flush-mount push-buttons that close with minimal force for convenient termination/removal of fine-stranded conductors
- Convenient, tool-free operation

Technical Data

Pin Spacing	3.5 mm 0.138 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Degree of contamination	3	2	2
Rated voltage	200 V	320 V	320 V
Rated surge voltage	4 kV	4 kV	4 kV
Nominal current	17.5 A	17.5 A	17.5 A
Approvals per	UL/CSA		
Use group UL 1059	B	C	D
Rated voltage	–	–	–
Nominal current UL	–	–	–
Nominal current CSA	–	–	–

Current-Carrying Capacity Curve

Pin spacing: 3.5 mm / Conductor size: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Conductor and solder pin data:

Connection technology	CAGE CLAMP® S	
Conductor size: solid	0.2–1.5 mm²	
Conductor size: fine-stranded	0.2–1.5 mm²	
Conductor size: fine-stranded	0.25–1 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25–1 mm²	(with uninsulated ferrule)
AWG	24 – 16	
Strip length	9–10 mm / 0.35–0.39 in	
Conductor entry	0° to PCB	
Solder pin: length/width	2.2 mm / 0.5 x 0.75 mm	
Solder pin: metal-plated hole	$1.1^{+0.1}$ mm Ø	

Material data:

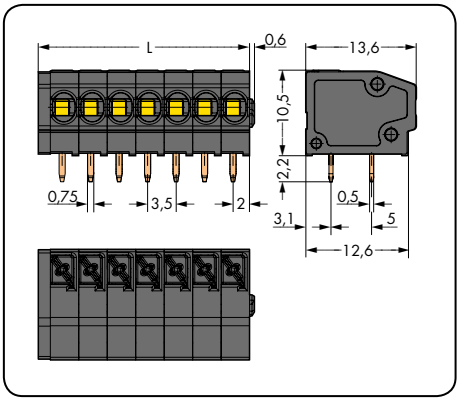
Material group	III a
Insulation material	Polyamide 4.6 (PA 4.6)
Flammability rating per UL 94	V2
Lower/Upper limit temperature	-60 °C / +105 °C
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

805 Series accessories: **Volume 2/Page:**

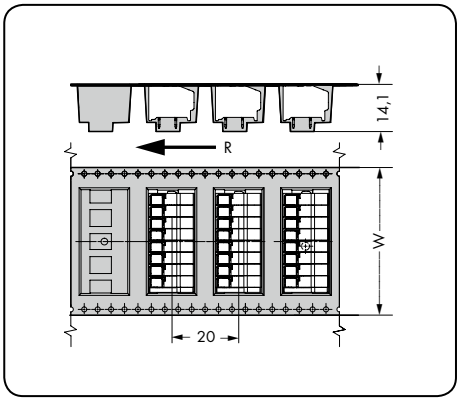
Marking Accessories	540 – 543
Operating Tools	526 – 528
Test plug	538

THR* Terminal Blocks with Push-Buttons, 1,5 mm²

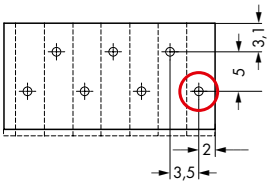
Pin spacing: 3.5 mm / 0.138 in		Terminal strips in tape-and-reel packaging Pin spacing: 3.5 mm / 0.138 in		
0.2–1.5 mm²	24–16 AWG	0.2–1.5 mm²	24–16 AWG	
320 V/4 kV/2 17.5 A	300 V/10 A	320 V/4 kV/2 17.5 A	300 V/10 A	



L = (pole no. x pin spacing) + 1.5 mm

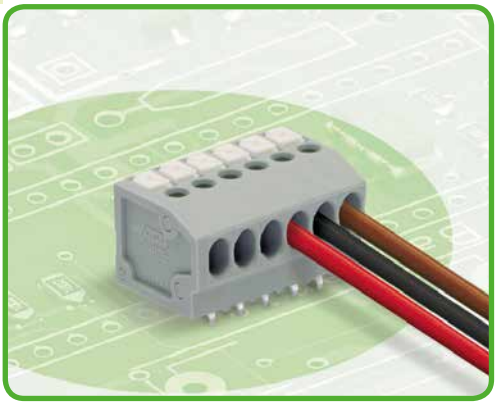


R = Feed direction
W = Tape width



Pole No.	Item No.	PU/SPU	Pole No.	Item No.	W
THR* terminal block with push-buttons, black			**THR* terminal block with push-buttons, in tape-and-reel packaging acc. to IEC 60286-3,** black		
					(mm)
2	**805-302/200-604**	600 (4 x 150)	2	**805-302/200-604/997-404**	24
3	**805-303/200-604**	420 (4 x 105)	3	**805-303/200-604/997-405**	32
4	**805-304/200-604**	300 (4 x 75)	4	**805-304/200-604/997-405**	32
5	**805-305/200-604**	260 (4 x 65)	5	**805-305/200-604/997-405**	32
6	**805-306/200-604**	220 (4 x 55)	6	**805-306/200-604/997-406**	44
7	**805-307/200-604**	180 (4 x 45)	7	**805-307/200-604/997-406**	44
8	**805-308/200-604**	160 (4 x 40)	8	**805-308/200-604/997-406**	44
			Reel diameter: 330 mm, 160 pieces per reel		

PCB Terminal Blocks with Push-Buttons, 1.5 mm², 1 In-Line Solder Pin/Pole, Front Side 3.5 mm Pin Spacing
805 Series

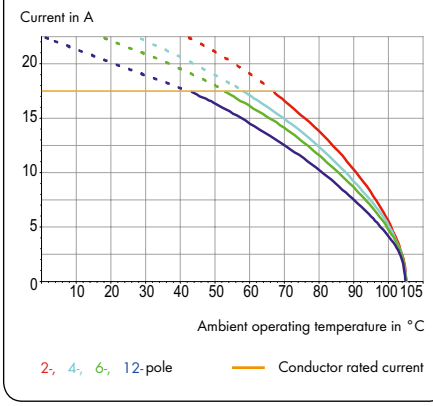


- PCB terminal blocks with with push-button actuated CAGE CLAMP® S
- Version with in-line solder pins
- Simple, push-in terminations of solid and ferruled conductors
- Flush-mount push-buttons that close with minimal force for convenient termination/removal of fine-stranded conductors
- Convenient, tool-free operation
- Versions with/without test slots and spacers
- Versions available with custom internal commoning (factory assembly), e.g., commoning ground conductor

Technical Data

Pin Spacing	3.5 mm 0.138 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Degree of contamination	3	2	2
Rated voltage	160 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Nominal current	17.5 A	17.5 A	17.5 A
Approvals per	UL/CSA		
Use group UL 1059	B	C	D
Rated voltage	–	–	–
Nominal current UL	–	–	–
Nominal current CSA	–	–	–

Current-Carrying Capacity Curve
Pin spacing: 3.5 mm / Conductor size: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Conductor and solder pin data:

Connection technology	CAGE CLAMP® S	
Conductor size: solid	0.2–1.5 mm²	
Conductor size: fine-stranded	0.2–1.5 mm²	
Conductor size: fine-stranded	0.25–1 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25–1 mm²	(with uninsulated ferrule)
AWG	24 – 16	
Strip length	9–10 mm / 0.35–0.39 in	
Conductor entry	0° to PCB	
Solder pin: length/width	3.2 mm / 0.5 x 0.75 mm	
Solder pin: drilled hole diameter	$1.1^{+0.1}$ mm	

Material data:

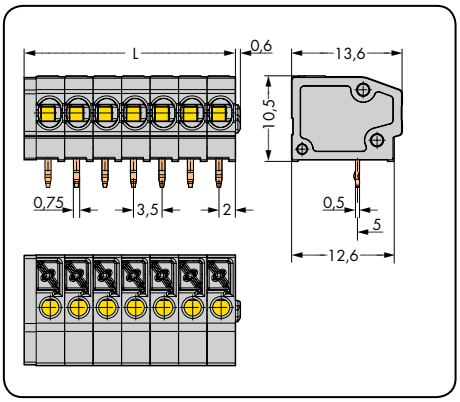
Material group	I
Insulation material	Polyamide 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

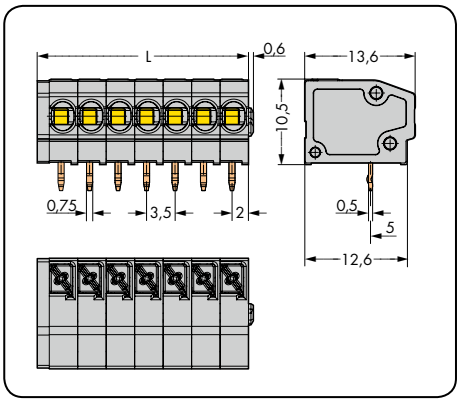
805 Series accessories: **Volume 2/Page:**

Marking Accessories	540 – 543
Operating Tools	526 – 528
Test plug	538

PCB Terminal Blocks with Push-Buttons, 1.5 mm²
1 In-Line Solder Pin/Pole, Front Side

With test slots Pin spacing: 3.5 mm / 0.138 in		Pin spacing: 3.5 mm / 0.138 in	
0.2–1.5 mm²	24–16 AWG	0.2–1.5 mm²	24–16 AWG
320 V/4 kV/2 17.5 A	300 V/10 A	320 V/4 kV/2 17.5 A	300 V/10 A





L = (pole no. x pin spacing) + 1.5 mm

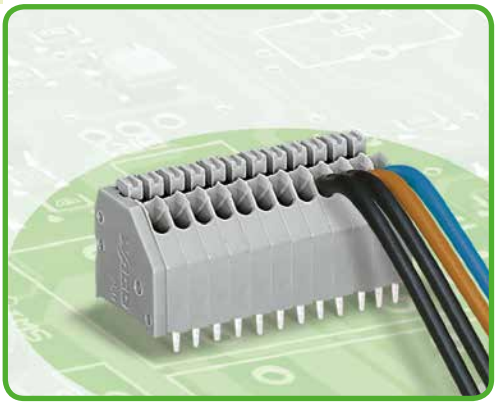
Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
PCB terminal block with push-buttons, 1 in-line solder pin/pole, front side, test slots for 2 mm Ø test plug, gray			**PCB terminal block with push-buttons, 1 in-line solder pin/pole, front side,** gray		
2	**805-152**	600 (4 x 150)	2	**805-352**	600 (4 x 150)
3	**805-153**	420 (4 x 105)	3	**805-353**	420 (4 x 105)
4	**805-154**	320 (4 x 80)	4	**805-354**	300 (4 x 75)
5	**805-155**	260 (4 x 65)	5	**805-355**	260 (4 x 65)
6	**805-156**	220 (4 x 55)	6	**805-356**	220 (4 x 55)
7	**805-157**	180 (4 x 45)	7	**805-357**	180 (4 x 45)
8	**805-158**	160 (4 x 40)	8	**805-358**	160 (4 x 40)
9	**805-159**	140 (4 x 35)	9	**805-359**	140 (4 x 35)
10	**805-160**	120 (4 x 30)	10	**805-350**	120 (4 x 30)
11	**805-161**	100 (4 x 25)	11	**805-361**	100 (4 x 25)
12	**805-162**	100 (4 x 25)	12	**805-362**	100 (4 x 25)
13	**805-163**	100 (4 x 25)	13	**805-363**	100 (4 x 25)
14	**805-164**	100 (4 x 25)	14	**805-364**	100 (4 x 25)
15	**805-165**	80 (4 x 20)	15	**805-365**	80 (4 x 20)
16	**805-166**	80 (4 x 20)	16	**805-366**	80 (4 x 20)
17	**805-167**	80 (4 x 20)	17	**805-367**	80 (4 x 20)
18	**805-168**	60 (4 x 15)	18	**805-368**	60 (4 x 15)
19	**805-169**	60 (4 x 15)	19	**805-369**	60 (4 x 15)
20	**805-170**	60 (4 x 15)	20	**805-370**	60 (4 x 15)
21	**805-171**	60 (4 x 15)	21	**805-371**	60 (4 x 15)
22	**805-172**	60 (4 x 15)	22	**805-372**	60 (4 x 15)
23	**805-173**	60 (4 x 15)	23	**805-373**	60 (4 x 15)
24	**805-174**	40 (4 x 10)	24	**805-374**	40 (4 x 10)

Item no. suffixes for colored PCB terminal blocks (production and prices depend on quantity required):

blue	**. . . /000-006**	**Ordering example:**
orange	**. . . /000-012**	PCB terminal block, 3.5 mm pin spacing, 6-pole, blue: **805-356/000-006**

Please contact factory for other lengths, colors, direct printing, or mixed-color PCB terminal blocks.

PCB Terminal Blocks with Push-Buttons, 0.5 mm², 1 In-Line Solder Pin/Pole, Front Side
2.5 mm Pin Spacing
250 Series

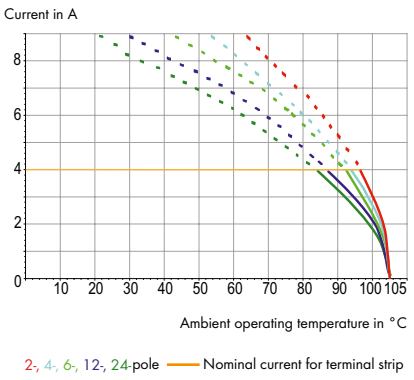


- Compact PCB terminal blocks with push-buttons
- Version with in-line solder pins
- Simple push-in termination for solid conductors
- Termination/removal of fine-stranded conductors via push-buttons
- 45° conductor entry angle provides easy, space-saving wiring
- Custom color combinations
- PCB terminal blocks also available with spacers upon request

Technical Data

Pin Spacing	2.5 mm 0.098 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Degree of contamination	3	2	2
Rated voltage	100 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Nominal current	4 A	4 A	4 A
Approvals per	UL/CSA		
Use group UL1059	B	C	D
Rated voltage	–	–	–
Nominal current UL	–	–	–
Nominal current CSA	–	–	–

Current-Carrying Capacity Curve
Pin spacing: 2.5 mm / Conductor size: 0.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Conductor and solder pin data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.14–0.5 mm² (0.4–0.8 mm Ø)
Conductor size: fine-stranded	0.2–0.5 mm²
AWG	24 – 20 (26 "sol.")
Strip length	8.5–9.5 mm / 0.32–0.36 in
Conductor entry	45° to PCB
Solder pin: length/width	3.6 mm / 0.4 x 0.75 mm
Solder pin: drilled hole diameter	$1.1^{-0.1}$ mm

Material data:

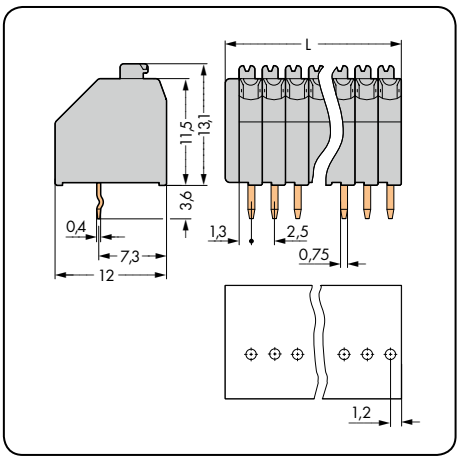
Material group	I
Insulation material	Polyamide 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Clamping spring material	Copper alloy
Contact plating	Copper

250 Series accessories: **Volume 2/Page:**

Marking Accessories	540 – 543
Operating Tools	526 – 528
Test pin	538

PCB Terminal Blocks with Push-Buttons, 0.5 mm²
1 In-Line Solder Pin/Pole, Front Side

Pin spacing: 2.5 mm / 0.098 in				
0.2–0.5 mm² 160 V/2.5 kV/2 4 A	24–20 AWG			



L = (pole no. x pin spacing) + 1.5 mm

Pole No.	Item No.	Pack. Unit
PCB terminal block with push-buttons, 1 in-line solder pin/pole, front side, gray		
2	**250-302**	720 (4 x 180)
3	**250-303**	520 (4 x 130)
4	**250-304**	400 (4 x 100)
5	**250-305**	340 (4 x 85)
6	**250-306**	280 (4 x 70)
7	**250-307**	240 (4 x 60)
8	**250-308**	220 (4 x 55)
9	**250-309**	200 (4 x 50)
10	**250-310**	180 (4 x 45)
11	**250-311**	160 (4 x 40)
12	**250-312**	140 (4 x 35)
13	**250-313**	140 (4 x 35)
14	**250-314**	120 (4 x 30)
15	**250-315**	120 (4 x 30)
16	**250-316**	100 (4 x 25)
17	**250-317**	100 (4 x 25)
18	**250-318**	80 (4 x 20)
19	**250-319**	80 (4 x 20)
20	**250-320**	80 (4 x 20)
21	**250-321**	80 (4 x 20)
22	**250-322**	80 (4 x 20)
23	**250-323**	80 (4 x 20)
24	**250-324**	60 (4 x 15)

Color	Item No.	Pack. Unit
Item no. suffixes for colored PCB terminal blocks		
black	**.../000-004**	
red	**.../000-005**	
blue	**.../000-006**	
light gray	**.../000-009**	
orange	**.../000-012**	
green	**.../000-023**	
violet	**.../000-024**	
white	**.../000-050**	

Ordering example:
PCB terminal block, 2.5 mm pin spacing
8-pole, orange: **250-308/000-012**

(Production and prices depend on quantity required)

Please contact factory for other lengths, PCB terminal blocks with spacers, other colors, mixed-color PCB terminal blocks, or direct printing.

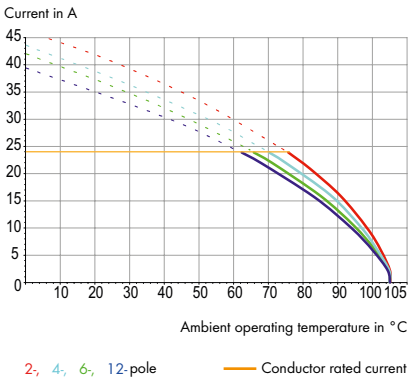
PCB Terminal Blocks with Angled Push-Buttons, 2.5 mm²
5/5.08 mm, 7.5/7.62 mm, 10/10.16 mm Pin Spacing
256 Series

- PCB terminal blocks with push-button actuated CAGE CLAMP®
- New version with angled push-buttons for easy top-of-unit actuation
- Set to metric or inch pin spacing by compressing terminal strips together or pulling them apart
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation

Technical Data

Pin Spacing	5/5.08 mm 0.2 in			7.5/7.62 mm 0.3 in			10/10.16 mm 0.4 in		
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Degree of contamination	3	2	2	3	2	2	3	2	2
Rated voltage	250 V	320 V	630 V	320 V	320 V	630 V	500 V	630 V	1000 V
Rated surge voltage	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	6 kV	6 kV	6 kV
Nominal current	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A
Approvals per	UL/CSA			UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	–	300 V	300 V	–	300 V	300 V	–	300 V
Nominal current UL	15 A	–	10 A	15 A	–	10 A	15 A	–	10 A
Nominal current CSA	15 A	–	10 A	15 A	–	10 A	15 A	–	10 A

Current-Carrying Capacity Curve
Pin spacing: 5 mm / Conductor size: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Conductor and solder pin data:

Connection technology	CAGE CLAMP®	
Conductor size: solid	0.08–2.5 mm²	
Conductor size: fine-stranded	0.08–2.5 mm²	
Conductor size: fine-stranded	0.25–1.5 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25–1.5 mm²	(with uninsulated ferrule)
AWG	28 – 12	(12: THHN, THWN)
Strip length	5–6 mm / 0.20–0.24 in	
Conductor entry	45° to PCB	
Solder pin: length/width	4 mm / 0.7 x 0.7 mm	
Solder pin: drilled hole diameter	$1.1^{+0.1}$ mm	

Material data:

Material group	I
Insulation material	Polyamide 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

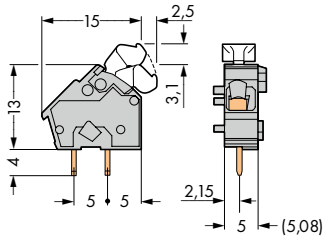
256 Series accessories:

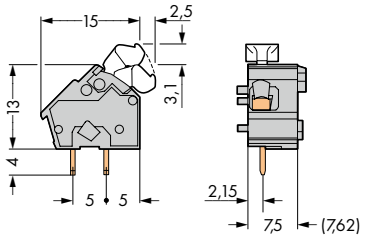
	Volume 2/Page:
Marking Accessories	540 – 543
Operating Tools	526 – 528
Commoning strips	67 – 69
Test plug adapter	196

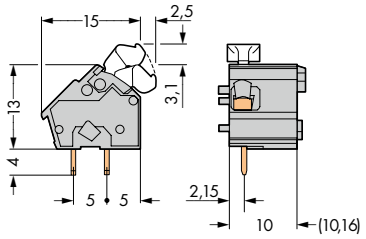
Modular PCB terminal blocks with angled push-buttons, 2.5 mm²

Pin spacing: 5/5.08 mm / 0.2 in		Pin spacing: 7.5/7.62 mm / 0.3 in		Pin spacing: 10/10.16 mm / 0.4 in	
0.08–2.5 mm² 320 V/4 kV/2 24 A	28–12 AWG 300 V/10 A	0.08–2.5 mm² 320 V/4 kV/2 24 A	28–12 AWG 300 V/10 A	0.08–2.5 mm² 630 V/6 kV/2 24 A	28–12 AWG 300 V/10 A









Color	Item No.	Pack. Unit
Modular PCB terminal block with angled push-button, 2 solder pins/pole		
gray	**256-461**	600 (6 x 100)
red	**256-840**	600 (6 x 100)
dark gray	**256-842**	600 (6 x 100)
light gray	**256-843**	600 (6 x 100)
blue	**256-844**	600 (6 x 100)
orange	**256-846**	600 (6 x 100)
light green	**256-847**	600 (6 x 100)

Color	Item No.	Pack. Unit
Modular PCB terminal block with angled push-button, 2 solder pins/pole		
gray	**256-561**	400 (4 x 100)
red	**256-850**	400 (4 x 100)
dark gray	**256-852**	400 (4 x 100)
light gray	**256-853**	400 (4 x 100)
blue	**256-854**	400 (4 x 100)
orange	**256-856**	400 (4 x 100)
light green	**256-857**	400 (4 x 100)

Color	Item No.	Pack. Unit
Modular PCB terminal block with angled push-button, 2 solder pins/pole		
gray	**256-661**	300 (3 x 100)
red	**256-860**	300 (3 x 100)
dark gray	**256-862**	300 (3 x 100)
light gray	**256-863**	300 (3 x 100)
blue	**256-864**	300 (3 x 100)
orange	**256-866**	300 (3 x 100)
light green	**256-867**	300 (3 x 100)

End plates for 256 Series

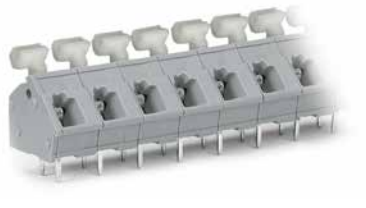
snap-on type,
1 mm/0.039 in thick

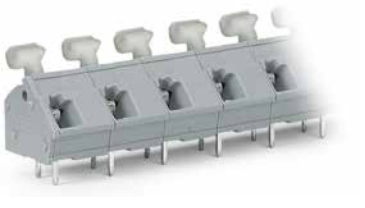
Color	Item No.	Pack. Unit
gray	**256-100**	100
dark gray	**256-200**	100
light gray	**256-300**	100
blue	**256-400**	100
red	**256-500**	100
orange	**256-600**	100
light green	**256-700**	100
black	**256-800**	100

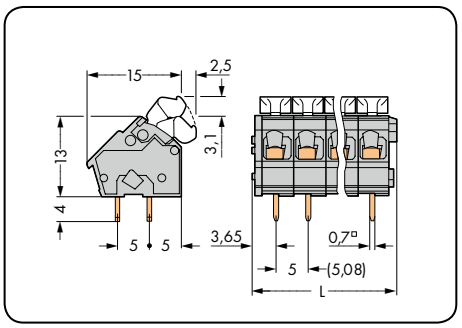
For other colors, please contact factory.

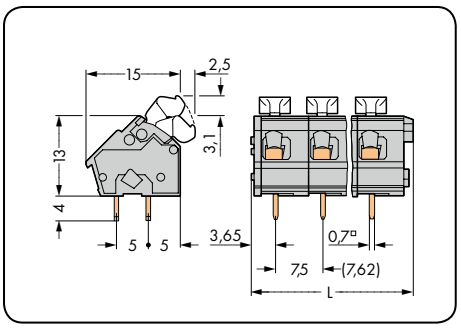
PCB Terminal Blocks with Angled Push-Buttons, 2.5 mm²

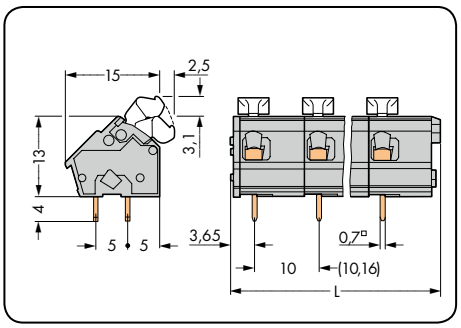
Pin spacing: 5/5.08 mm / 0.2 in		Pin spacing: 7.5/7.62 mm / 0.3 in		Pin spacing: 10/10.16 mm / 0.4 in	
0.08–2.5 mm²	28–12 AWG	0.08–2.5 mm²	28–12 AWG	0.08–2.5 mm²	28–12 AWG
320 V/4 kV/2 24 A	300 V/10 A	320 V/4 kV/2 24 A	300 V/10 A	630 V/6 kV/2 24 A	300 V/10 A











L = (pole no. x pin spacing) + 2.9 mm

Pole No.	Item No.	Pack. Unit
PCB terminal block with angled push-buttons, 2 solder pins/pole, gray		
2	**256-402/334-000**	400 (4 x 100)
3	**256-403/334-000**	280 (4 x 70)
4	**256-404/334-000**	200 (4 x 50)
5	**256-405/334-000**	160 (4 x 40)
6	**256-406/334-000**	140 (4 x 35)
7	**256-407/334-000**	120 (4 x 30)
8	**256-408/334-000**	100 (4 x 25)
9	**256-409/334-000**	100 (4 x 25)
10	**256-410/334-000**	80 (4 x 20)
12	**256-412/334-000**	60 (4 x 15)
16	**256-416/334-000**	60 (4 x 15)
24	**256-424/334-000**	40 (4 x 10)
36	**256-436/334-000**	20 (4 x 5)
48	**256-448/334-000**	20 (4 x 5)

Pole No.	Item No.	Pack. Unit
PCB terminal block with angled push-buttons, 2 solder pins/pole, gray		
2	**256-502/334-000**	280 (4 x 70)
3	**256-503/334-000**	180 (4 x 45)
4	**256-504/334-000**	140 (4 x 35)
5	**256-505/334-000**	120 (4 x 30)
6	**256-506/334-000**	100 (4 x 25)
7	**256-507/334-000**	80 (4 x 20)
8	**256-508/334-000**	60 (4 x 15)
9	**256-509/334-000**	60 (4 x 15)
10	**256-510/334-000**	60 (4 x 15)
12	**256-512/334-000**	40 (4 x 10)
16	**256-516/334-000**	40 (4 x 10)
24	**256-524/334-000**	20 (4 x 5)

Pole No.	Item No.	Pack. Unit
PCB terminal block with angled push-buttons, 2 solder pins/pole, gray		
2	**256-602/334-000**	200 (4 x 50)
3	**256-603/334-000**	140 (4 x 35)
4	**256-604/334-000**	100 (4 x 25)
5	**256-605/334-000**	80 (4 x 20)
6	**256-606/334-000**	60 (4 x 15)
7	**256-607/334-000**	60 (4 x 15)
8	**256-608/334-000**	60 (4 x 15)
9	**256-609/334-000**	40 (4 x 10)
10	**256-610/334-000**	40 (4 x 10)
12	**256-612/334-000**	40 (4 x 10)
16	**256-616/334-000**	20 (4 x 5)
24	**256-624/334-000**	20 (4 x 5)

Item no. suffixes for colored PCB terminal blocks (production and prices depend on quantity required):

red	.../000-005	**Ordering example:**
blue	.../000-006	PCB terminal block, 5/5.08 mm pin spacing
dark gray	.../000-008	8-pole, orange: **256-408/334-012**
light gray	.../000-009	
orange	.../000-012	
light green	.../000-017	

Please contact factory for other lengths, colors, direct printing, or mixed-color PCB terminal blocks.

Male Headers with 1 x 1 mm Solder Pins, THR (Through-Hole Reflow*)
5.08 mm Pin Spacing
MCS MIDI Classic

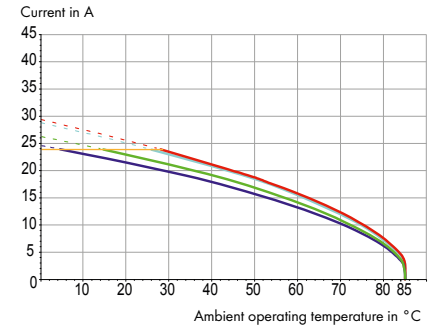
- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place assembly
- Also available in bulk packaging for manual placement
- Male headers may be mounted horizontally or vertically
- Coding pins available

Technical Data **1 x 1 mm**

Pin Spacing	**5.08 mm 0.2 in**		
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Degree of contamination	3	2	2
Rated voltage	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Nominal current	12 A	12 A	12 A
Approvals per	**UL/CSA**		
Use group UL 1059	B	C	D
Rated voltage	300 V	–	300 V
Nominal current UL	10 A	–	10 A
Nominal current CSA	10 A	–	10 A
The MCS-MIDI connection system is UL 1977 approved and capable of up to 600 V for factory wiring.			

Derating Curve

Female connector 231-102/026-000 with header 231-432/001-000/105-604
Pin spacing 5 mm/0.197 in./ Conductor cross section 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor 0.8



Solder pin data:

Solder pin: length/width	2.4 mm / 1 x 1 mm
Solder pin: drilled hole diameter	$1.4^{+0.1}$ mm
For other pin lengths, please contact factory.	

Material data:

Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +100 °C
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated
MCS connectors are also available upon request with gold-plated or partially gold-plated contact surfaces.	
Depending on the version requested, **"item no. suffix . . . /010-000"** is added to the "basic item no."	

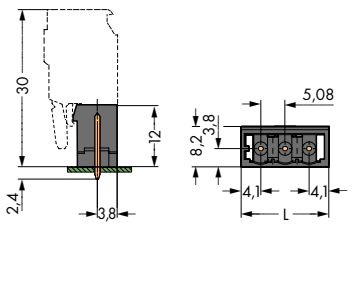
MCS MIDI accessories: **Volume 2/Page:**

Separators	468
Coding keys	468
Fixing elements	469

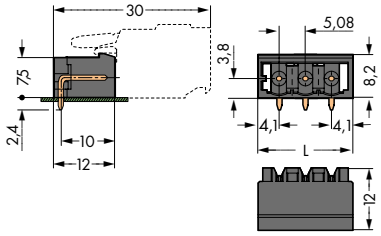
The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Male Headers with Straight or Angled 1 x 1 mm Solder Pins, THR
MCS MIDI Classic

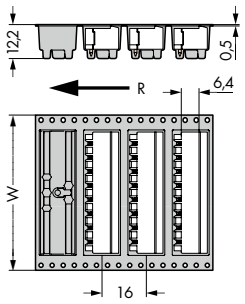
With 1 x 1 mm straight solder pins Pin spacing 5.08 mm / 0.2 in		With 1 x 1 mm angled solder pins Pin spacing 5.08 mm / 0.2 in		With angled 1 x 1 mm solder pins, in tape-and-reel packaging Pin spacing 5.08 mm / 0.2 in	
320 V/4 kV/2 12 A	300 V/10 A	320 V/4 kV/2 12 A	300 V/10 A	320 V/4 kV/2 12 A	300 V/10 A



L = (pole no. – 1) x pin spacing + 8.2 mm



L = (pole no. – 1) x pin spacing + 8.2 mm

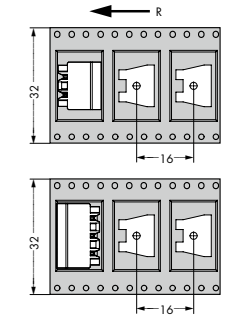


W= Tape width
R = Feed direction

Pole No.	Item No.	Pack. Unit
Male header with 1 x 1 mm straight solder pins, black		
2	**231-332/001-000/105-604**	200
3	**231-333/001-000/105-604**	200

Pole No.	Item No.	Pack. Unit
Male header with 1 x 1 mm angled solder pins, black		
2	**231-532/001-000/105-604**	200
3	**231-533/001-000/105-604**	200

Pole No.	Item No.	W
Male header with 1 x 1 mm straight solder pins, in tape-and-reel packaging acc. to IEC 60286-3, black		
2	**231-532/001-000/105-604/997-405**	32
3	**231-533/001-000/105-604/997-405**	32
Reel diameter: 330 mm, 170 pieces per reel		



W= Tape width
R = Feed direction

For other lengths, please contact factory.

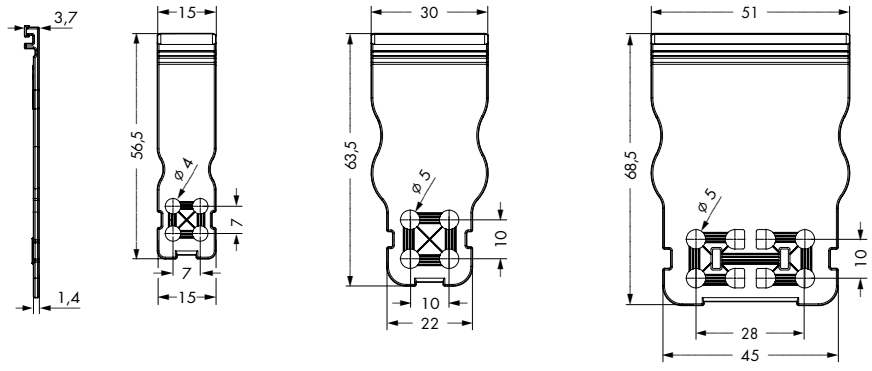
Accessories
Strain Relief Plates
MCS MAXI

Strain relief plate for in-the-field assembly for 2- to 3-pole male and female connectors 831 Series	Strain relief plate for in-the-field assembly for 4- to 6-pole male and female connectors 831 Series	Strain relief plate for in-the-field assembly for 7- to 9-pole male and female connectors 831 Series

Width	Pole No.	Item No.	Pack. Unit
Strain relief plate, light gray			
15 mm	2 – 3	**831-503**	100 (4 x 25)

Width	Pole No.	Item No.	Pack. Unit
Strain relief plate, light gray			
30 mm	4 – 6	**831-505**	100 (4 x 25)

Width	Pole No.	Item No.	Pack. Unit
Strain relief plate, light gray			
51 mm	7 – 9	**831-506**	100 (4 x 25)



The arrangement of the attachments for cable ties allows single conductors or multi-core cables to be secured in different ways. The width of the cable ties must correspond to the hole dimensions of the strain relief plates shown above.

Cable ties and cable binding tools are not included in the WAGO scope of supply. Refer to the Hellermann company.

Modular Empty Housing, 2857 Series

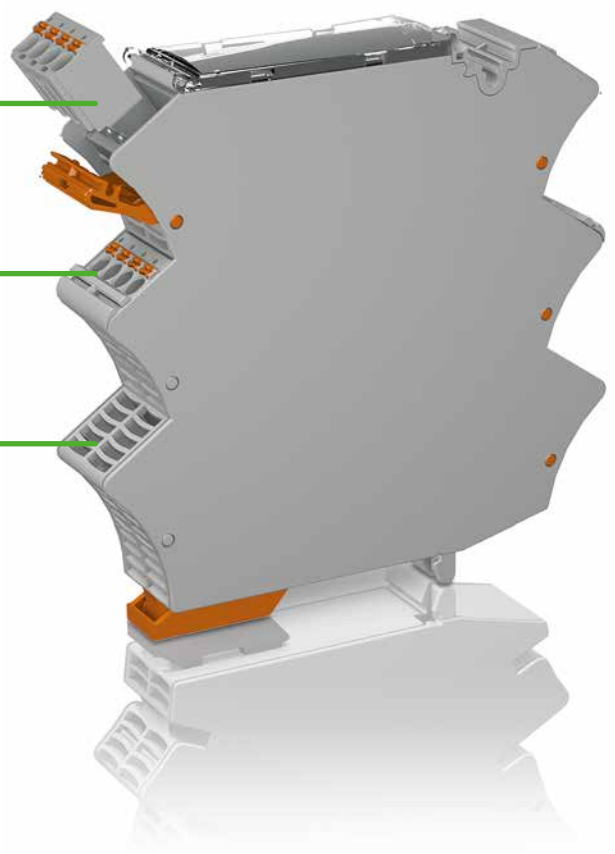
Overview and Configuration

Pluggable connection with *picoMAX*®

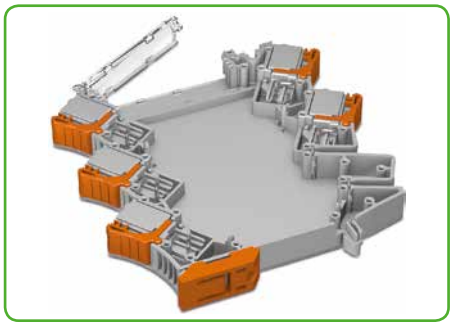
Fixed connection with *picoMAX*®

Empty slot without connection technology

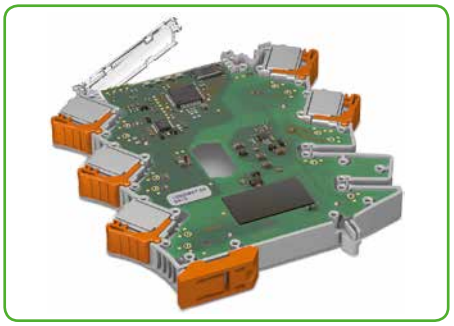
... freely selectable for each connection point



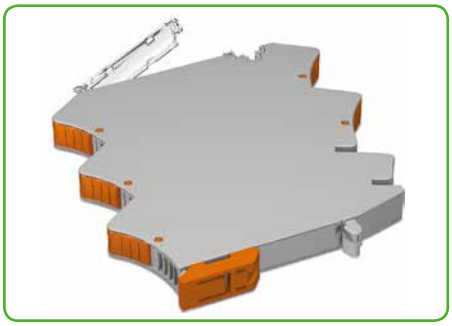
Supplied as a pre-assembled unit



1. Pre-assembled unit



2. Inserting and soldering the PCB.



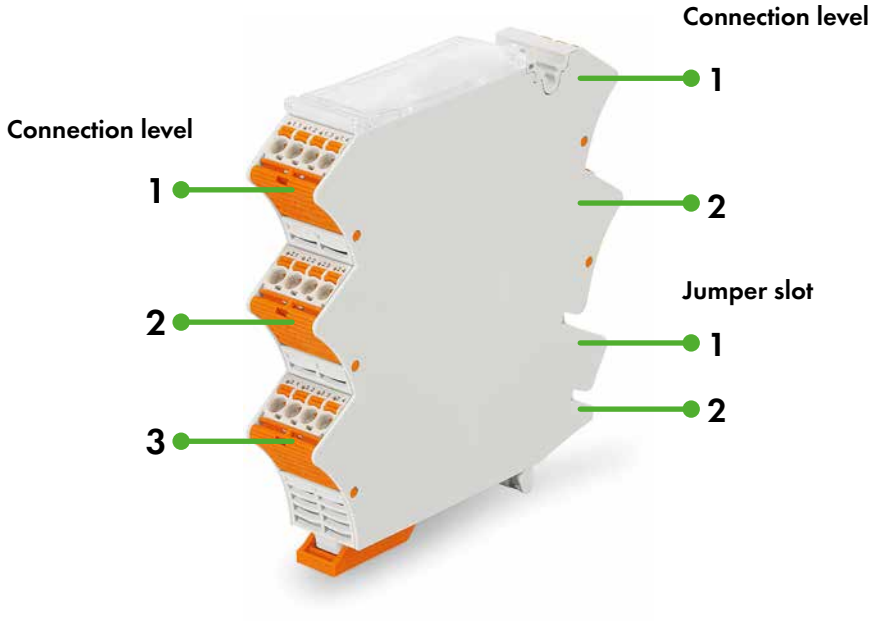
3. Snapping on side wall.

Housing configuration

Housing width: 12.5 mm	 **2857-101**	 **2857-102**	 **2857-103**	-
Housing width: 22.5 mm	 **2857-121**	 **2857-122**	 **2857-123**	 **2857-124**
Connection levels	2-2	3-2	3-3	1-1
Jumper slots	2-2	0-2	0-0	2-2

Mixed configuration (fixed/removable/empty slot) upon request

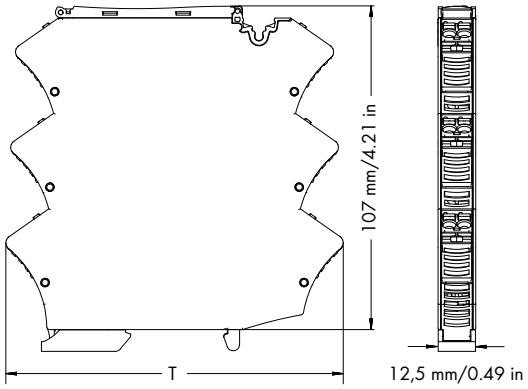
Example of connection level and jumper slot assignment:



Connection levels	3-2
Jumper slots	0-2

Modular Empty Housing

Housing width: 12.5 mm



Features:
- *picoMAX*® female connectors, with coding keys, 2-pole
- Pre-assembled unit
- Flexible conductor termination
- Customization of connection levels
- Various marking options available
- Sealable, transparent cover
- Commoning option via 859-402 jumpers

Description	Item No.	Pack. Unit
Modular empty housing, for DIN 35 rail		
Housing width: 12.5 mm		
2-2 connection levels, 2-2 jumper slots	**2857-101**	10
3-2 connection levels, 0-2 jumper slots	**2857-102**	10
3-3 connection levels, 0-0 jumper slots	**2857-103**	10

Technical Data: Empty Housing

Material Data:	
Housing material	PC
Flammability rating	V0
Environmental Requirements:	
Ambient operating temperature	-40 °C ... +70 °C
Storage temperature	-40 °C ... +85 °C
Dimensions:	
Dimensions (mm) W x H x L	12.5 x 107 x 108 (2857-101)
	12.5 x 107 x 110 (2857-102)
	12.5 x 107 x 112 (2857-103)
	Height from upper-edge of DIN 35 rail
Technical Data:	
Power loss	2 W
Accessories	Coding key carrier: 2092-1610
	Jumpers: 859-402
	Marker strips, WMB and
	WMB Inline: see Full Line Catalog
	INTERFACE ELECTRONIC 2012/2013,
	pages 402 and 408

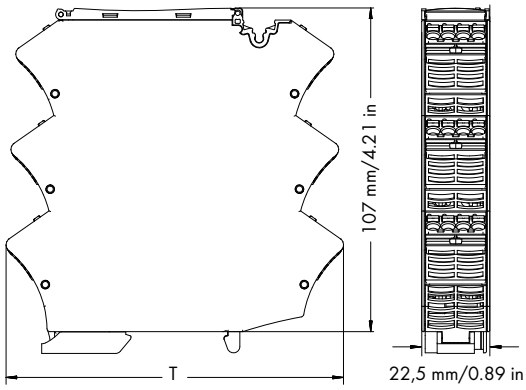
Technical Data: Female Connector with *picoMAX*® 5.0 Conductor Termination

Technical Data:			
Pin spacing	5 mm / 0.197 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category EN	III	III	II
Pollution degree	3	2	2
Rated voltage EN	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Nominal current	16 A	16 A	16 A
Approvals per	UL/CSA		
Use group UL 1059	B	C	D
Rated voltage	300 V	-	300 V
Nominal current UL	15 A	-	10 A
Conductor Data:			
Wire connection	CAGE CLAMP® S		
Solid sizes	0.2 ... 2.5 mm² / AWG 24 ... 12		
Fine-stranded wires	0.2 ... 2.5 mm² / AWG 24 ... 12		
Fine-stranded wires with insulated ferrule	0.2 ... 1.5 mm² / AWG 24 ... 16		
Fine-stranded wires with uninsulated ferrule	0.2 ... 2.5 mm² / AWG 24 ... 14		
Strip length	9 ... 10 mm / 0.35 ... 0.39 in		
Material Data:			
Clamping spring material	Chrome nickel spring steel (CrNi)		
Contact material	Electrolytic copper (Ecu)		
Contact plating	Tin-plated		
Insulating material	Polyphtalamide glass fiber (PPA-GF)		
Flammability rating	V0		

For additional technical data, see WAGO's *picoMAX*® catalog.

Modular Empty Housing

Housing width: 22.5 mm



Features:
- *picoMAX*® female connectors, with coding keys, 4-pole
- Pre-assembled unit
- Flexible conductor termination
- Customization of connection levels
- Various marking options available
- Sealable, transparent cover
- Commoning option via 859-402 jumpers

Description	Item No.	Pack. Unit
Modular empty housing, for DIN 35 rail		
Housing width: 22.5 mm		
2-2 connection levels, 2-2 jumper slots	**2857-121**	5
3-2 connection levels, 0-2 jumper slots	**2857-122**	5
3-3 connection levels, 0-0 jumper slots	**2857-123**	5
1-1 connection levels, 2-2 jumper slots	**2857-124**	5

Technical Data: Empty Housing

Material Data:	
Housing material	PC
Flammability rating	V0
Environmental Requirements:	
Ambient operating temperature	-40 °C ... +70 °C
Storage temperature	-40 °C ... +85 °C
Dimensions:	
Dimensions (mm) W x H x L	22.5 x 107 x 108 (2857-121)
	22.5 x 107 x 110 (2857-122)
	22.5 x 107 x 112 (2857-123)
	22.5 x 107 x 105 (2857-124)
	Height from upper-edge of DIN 35 rail
Technical Data:	
Power loss	3 W
Accessories	Coding key carrier: 2092-1610
	Jumpers: 859-402
	Marker strips, WMB and
	WMB Inline: see Full Line Catalog
	INTERFACE ELECTRONIC 2012/2013,
	pages 402 and 408

Technical Data: Female Connector with *picoMAX*® 5.0 Conductor Termination

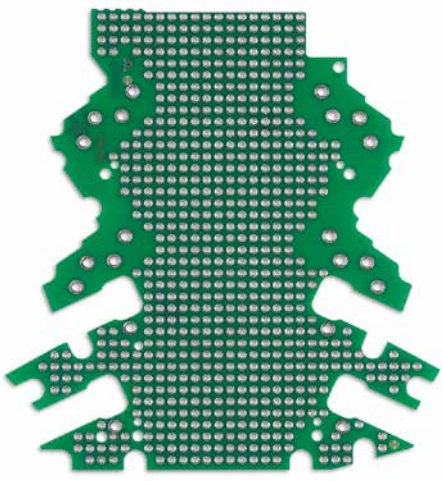
Technical Data:			
Pin spacing	5 mm / 0.197 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category EN	III	III	II
Pollution degree	3	2	2
Rated voltage EN	250 V	320	630 V
Rated surge voltage	4 kV /	4 kV	4 kV
Nominal current	16 A	16 A	16 A
Approvals per	UL/CSA		
Use group UL 1059	B	C	D
Rated voltage	300 V	-	300 V
Nominal current UL	15 A	-	10 A
Conductor Data:			
Wire connection	CAGE CLAMP® S		
Solid sizes	0.2 ... 2.5 mm² / AWG 24 ... 12		
Fine-stranded wires	0.2 ... 2.5 mm² / AWG 24 ... 12		
Fine-stranded wires with insulated ferrule	0.2 ... 1.5 mm² / AWG 24 ... 16		
Fine-stranded wires with uninsulated ferrule	0.2 ... 2.5 mm² / AWG 24 ... 14		
Strip length	9 ... 10 mm / 0.35 ... 0.39 in		
Material Data:			
Clamping spring material	Chrome nickel spring steel (CrNi)		
Contact material	Electrolytic copper (Ecu)		
Contact plating	Tin-plated		
Insulating material	Polyphtalamide glass fiber (PPA-GF)		
Flammability rating	V0		

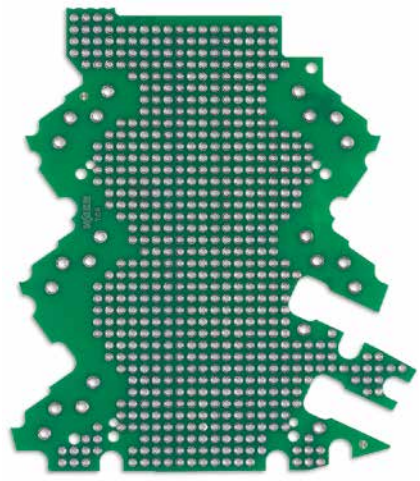
For additional technical data, see WAGO's *picoMAX*® catalog.

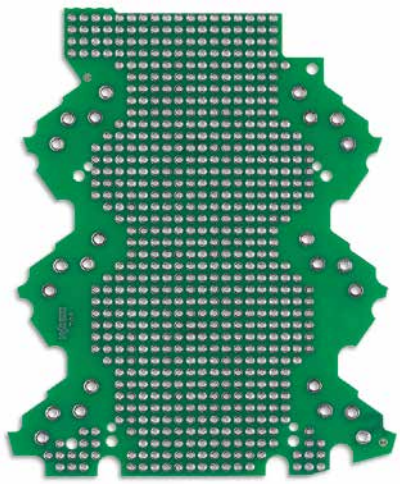
Stripboards, 2857 Series

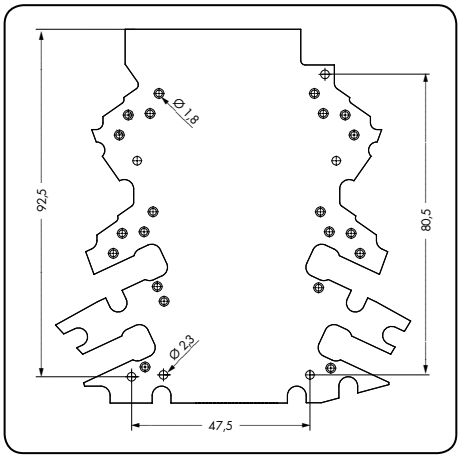
for Empty Housings

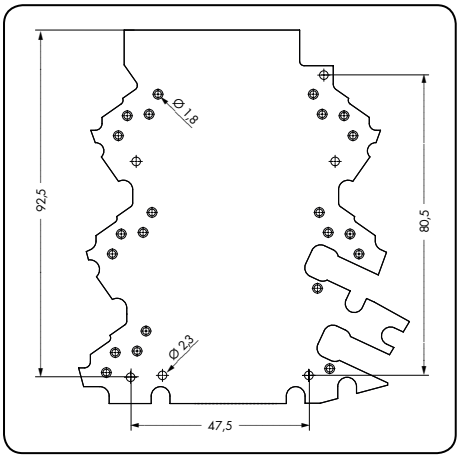
Stripboard 2–2 connection levels 2–2 jumper slots	**Stripboard** 3–2 connection levels 0–2 jumper slots	**Stripboard** 3–3 connection levels 0–0 jumper slots

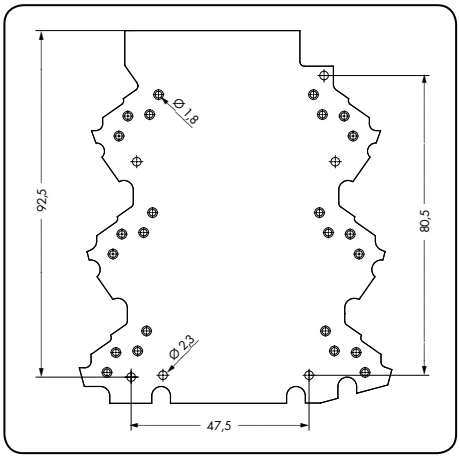










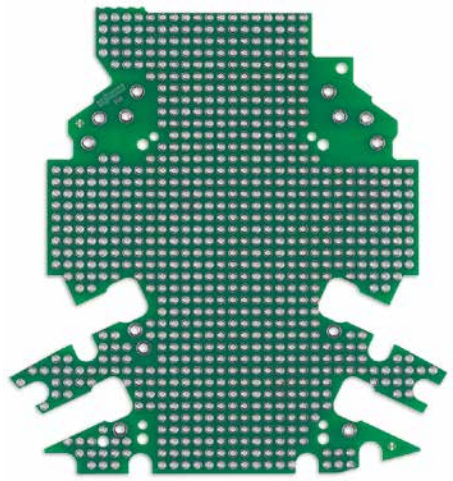


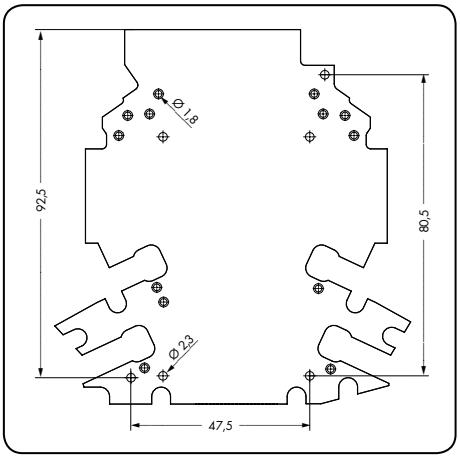
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Stripboard, for installation in 12.5mm and 22.5mm empty housings		**Stripboard,** for installation in 12.5mm and 22.5mm empty housings		**Stripboard,** for installation in 12.5mm and 22.5mm empty housings	
2857-191/3140-000	5 (5 x 1)	**2857-192/3140-000**	5 (5 x 1)	**2857-193/3140-000**	5 (5 x 1)

Stripboards, 2857 Series

for Empty Housings

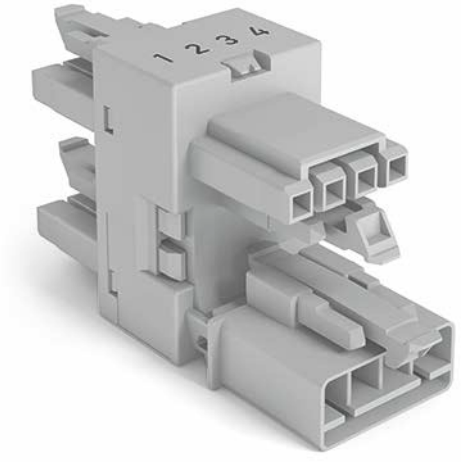
Stripboard 1-1 connection levels 2-2 jumper slots		

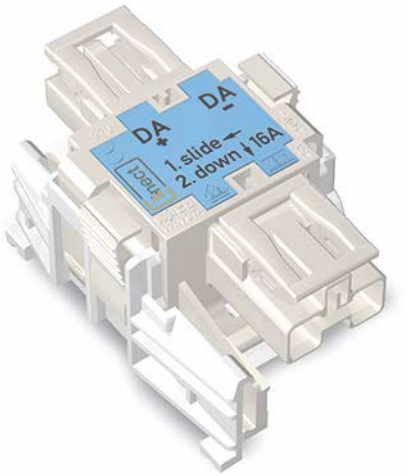




Item No.	Pack. Unit
Stripboard, for installation in 12.5mm and 22.5mm empty housings	
2857-194/3140-000	5 (5 x 1)


L
N


1 2 3 4
L


DA
DA
1. slide
2. down
16A

Contents

Volume 5

WINSTA® MINI
PCB Connectors, 2-Pole

	250 V/4 kV/3 I_N 16 A ❶ Approvals	250 V/4 kV/3 I_N 16 A ❶ Approvals

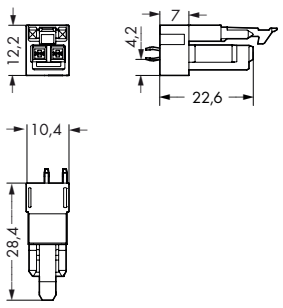
Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB connectors, **2 solder pins per pole**	**Socket,** straight			**Plug,** straight		
	● black	**890-802**	100	● black	**890-812**	100
	○ white	**890-822**	100	○ white	**890-832**	100
	● blue	**890-3102**	100	● blue	**890-3112**	100

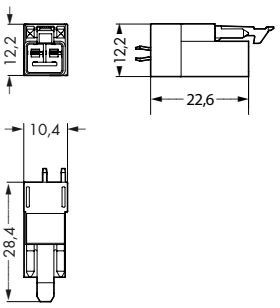
Info	Dimensions

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

● black	Coding A	(L N)
○ white	Coding A	(L N)
● blue	Coding I	(+ −)

For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.

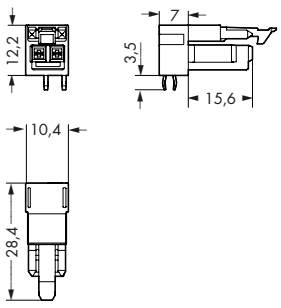


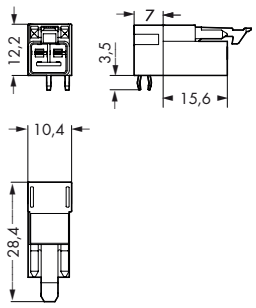


250 V/4 kV/3 I_N 16 A ❶ Approvals	250 V/4 kV/3 I_N 16 A ❶ Approvals

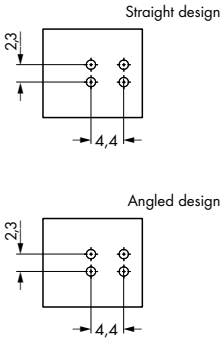
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Socket, angled			**Plug,** angled		
● black	**890-802/011-000**	100	● black	**890-812/011-000**	100
○ white	**890-822/011-000**	100	○ white	**890-832/011-000**	100
● blue	**890-3102/011-000**	100	● blue	**890-3112/011-000**	100

Dimensions





Hole patterns



Drilled hole diameter: $1.3^{\pm 0.1}$ mm

***WINSTA®* – perfectly plugged!**

WINSTA® MINI
PCB Connectors, 3-Pole

	250 V/4 kV/3 I_N 16 A ❷ ❶ Approvals	250 V/4 kV/3 I_N 16 A ❷ ❶ Approvals
		

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB connectors,	**Socket,** straight			**Plug,** straight		
2 solder pins per pole						
	● black	**890-803**	100	● black	**890-813**	100
	○ white	**890-823**	100	○ white	**890-833**	100

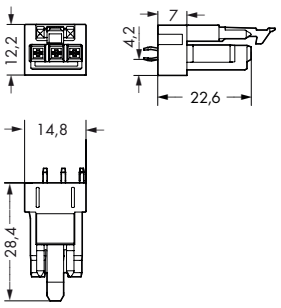
Info	Dimensions

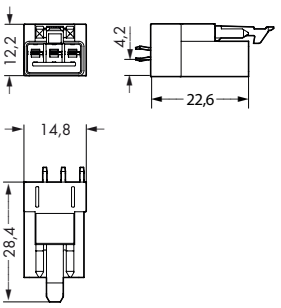
❶ Approvals are available online at:
www.wago.com

❷ For 3-pole load I_N = 13 A!

● black Coding A (L ⏚ N)
○ white Coding A (L ⏚ N)

For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.

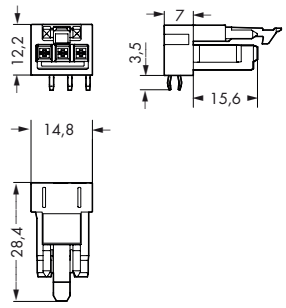


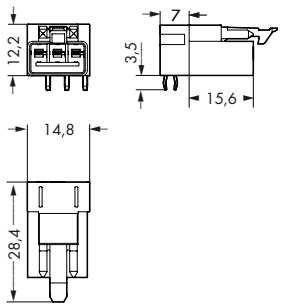


250 V/4 kV/3 I_N 16 A ❷ ❶ Approvals	250 V/4 kV/3 I_N 16 A ❷ ❶ Approvals

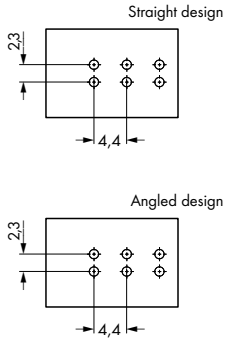
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Socket, angled			**Plug,** angled		
● black	**890-803/011-000**	100	● black	**890-813/011-000**	100
○ white	**890-823/011-000**	100	○ white	**890-833/011-000**	100

Dimensions





Hole patterns



Drilled hole diameter: $1.3^{\pm 0.1}$ mm

***WINSTA®* – perfectly plugged!**

WINSTA® MINI
PCB Connectors, 4-Pole

	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB connectors, **2 solder pins per pole**	**Socket,** straight			**Plug,** straight		
	● black	**890-804**	100	● black	**890-814**	100
	○ white	**890-824**	100	○ white	**890-834**	100

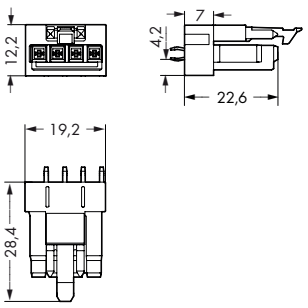
Info	Dimensions

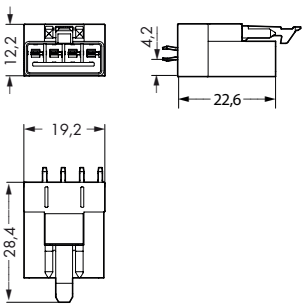
❶ Approvals are available online at:
www.wago.com

❷ For 3-pole load I_N = 13 A!
For 4-pole load I_N = 10 A!

● black Coding A (N ⏚ 2L 1L')
○ white Coding A (N ⏚ 2L 1L')

For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.

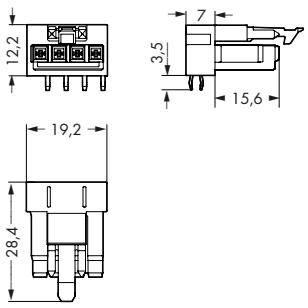


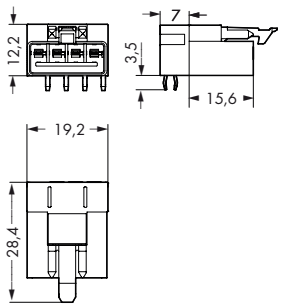


400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals

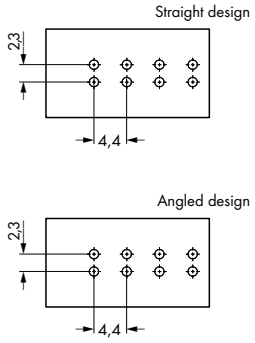
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Socket, angled			**Plug,** angled		
● black	**890-804/011-000**	100	● black	**890-814/011-000**	100
○ white	**890-824/011-000**	100	○ white	**890-834/011-000**	100

Dimensions





Hole patterns



Drilled hole diameter: $1.3^{\pm 0.1}$ mm

***WINSTA®* – perfectly plugged!**

WINSTA® MINI
PCB Connectors, 5-Pole

	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB connectors, **2 solder pins per pole**	**Socket,** straight			**Plug,** straight		
	● black	**890-805**	100	● black	**890-815**	100
	○ white	**890-825**	100	○ white	**890-835**	100
	● blue	**890-3105**	100	● blue	**890-3115**	100

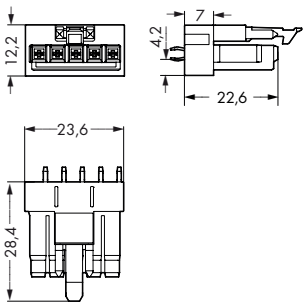
Info	Dimensions

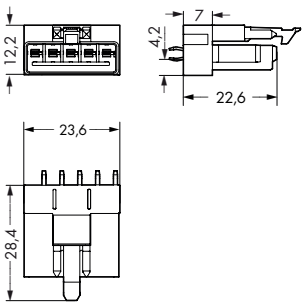
❶ Approvals are available online at:
www.wago.com

❷ For 3-pole load I_N = 13 A!
For 4- and 5-pole load I_N = 10 A!
Blue plugs and sockets are suitable for 16A DALI applications.

● black	Coding A	(N ⏚ 1 2 3)
○ white	Coding A	(N ⏚ 1 2 3)
● blue	Coding I	(N ⏚ L – +)

For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.

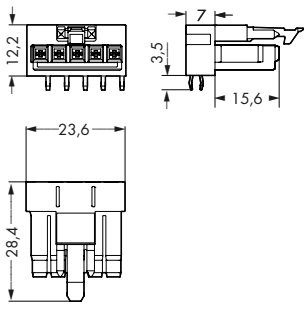


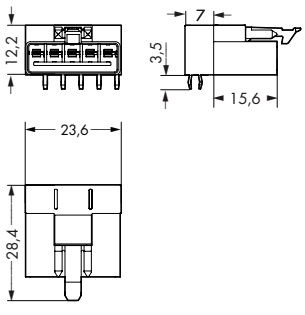


400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals

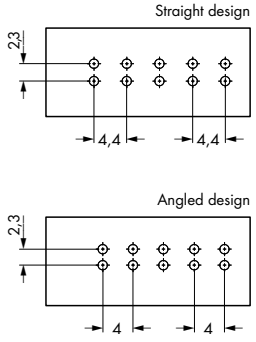
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Socket, angled			**Plug,** angled		
● black	**890-805/011-000**	100	● black	**890-815/011-000**	100
○ white	**890-825/011-000**	100	○ white	**890-835/011-000**	100
● blue	**890-3105/011-000**	100	● blue	**890-3115/011-000**	100

Dimensions





Hole patterns



Drilled hole diameter: $1.3^{\pm 0.1}$ mm

***WINSTA®* – perfectly plugged!**

WINSTA® MINI special
PCB Connectors, 2-Pole

	250 V/4 kV/3 I_N 16 A ❶ Approvals	250 V/4 kV/3 I_N 16 A ❶ Approvals

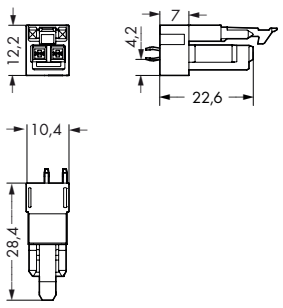
Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB connectors, **2 solder pins per pole**	**Socket,** straight			**Plug,** straight		
	gray	**890-842**	100	gray	**890-852**	100
	light green	**890-862**	100	light green	**890-872**	100
	pink	**890-882**	100	pink	**890-892**	100

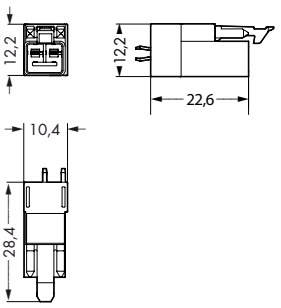
Info	Dimensions

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

gray	Coding B	(1 2)
light green	Coding B	(1 2)
pink	Coding B	(1 2)

For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.

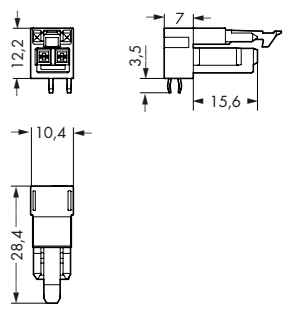


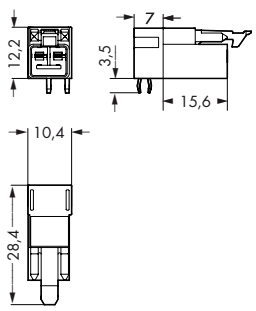


250 V/4 kV/3 I_N 16 A ❶ Approvals	250 V/4 kV/3 I_N 16 A ❶ Approvals

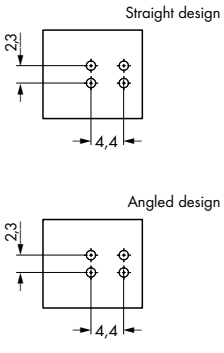
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Socket, angled			**Plug,** angled		
gray	**890-842/011-000**	100	gray	**890-852/011-000**	100
light green	**890-862/011-000**	100	light green	**890-872/011-000**	100
pink	**890-882/011-000**	100	pink	**890-892/011-000**	100

Dimensions





Hole patterns



Drilled hole diameter: $1.3^{\pm 0.1}$ mm

***WINSTA®* – perfectly plugged!**

WINSTA® MINI special
PCB Connectors, 3-Pole

	250 V/4 kV/3 I_N 16 A ❷ ❶ Approvals	250 V/4 kV/3 I_N 16 A ❷ ❶ Approvals

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB connectors,	**Socket,** straight			**Plug,** straight		
2 solder pins per pole						
	gray	**890-843**	100	gray	**890-853**	100
	light green	**890-863**	100	light green	**890-873**	100
	pink	**890-883**	100	pink	**890-893**	100

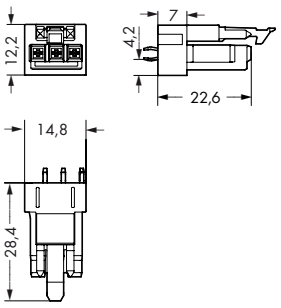
Info	Dimensions

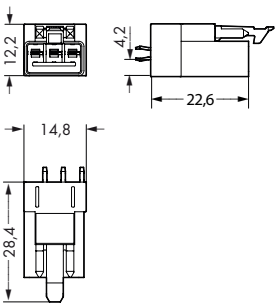
❶ Approvals are available online at:
www.wago.com

❷ For 3-pole load I_N = 13 A!

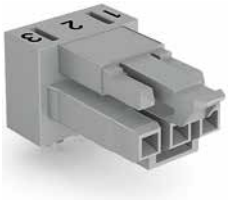
gray	Coding B	(1 2 3)
light green	Coding B	(1 2 3)
pink	Coding B	(1 2 3)

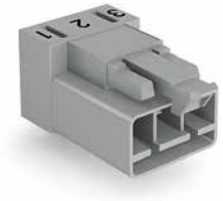
For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.





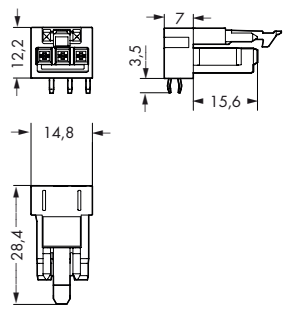
250 V/4 kV/3 I_N 16 A ❷ ❶ Approvals	250 V/4 kV/3 I_N 16 A ❷ ❶ Approvals

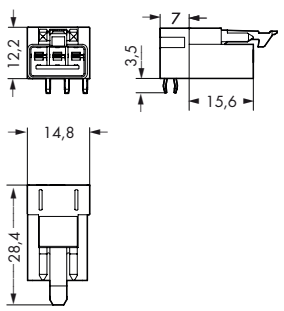




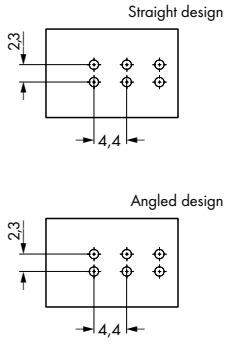
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Socket, angled			**Plug,** angled		
gray	**890-843/011-000**	100	gray	**890-853/011-000**	100
light green	**890-863/011-000**	100	light green	**890-873/011-000**	100
pink	**890-883/011-000**	100	pink	**890-893/011-000**	100

Dimensions





Hole patterns



Drilled hole diameter: $1.3^{\pm 0.1}$ mm

***WINSTA®* – perfectly plugged!**

WINSTA® MINI special
PCB Connectors, 4-Pole

	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB connectors,	**Socket,** straight			**Plug,** straight		
2 solder pins per pole						
	gray	**890-844**	100	gray	**890-854**	100
	light green	**890-864**	100	light green	**890-874**	100
	pink	**890-884**	100	pink	**890-894**	100

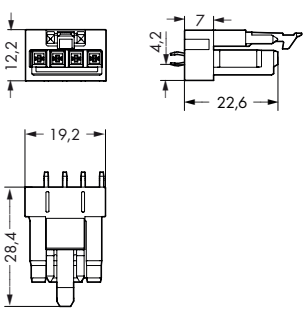
Info	Dimensions

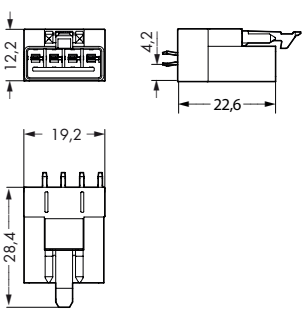
❶ Approvals are available online at:
www.wago.com

❷ For 3-pole load I_N = 13 A!
For 4-pole load I_N = 10 A!

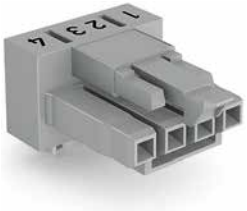
gray	Coding B	(1 2 3 4)
light green	Coding B	(1 2 3 4)
pink	Coding B	(1 2 3 4)

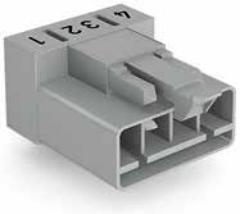
For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.





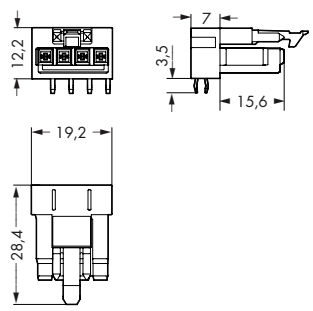
400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals

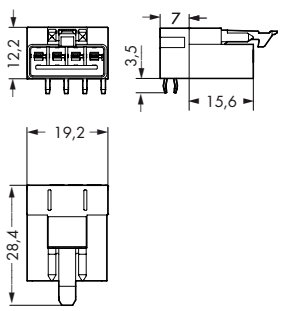




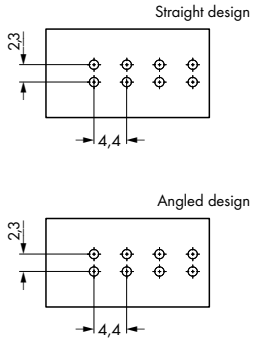
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Socket, angled			**Plug,** angled		
gray	**890-842/011-000**	100	gray	**890-852/011-000**	100
light green	**890-862/011-000**	100	light green	**890-872/011-000**	100
pink	**890-882/011-000**	100	pink	**890-892/011-000**	100

Dimensions





Hole patterns



Drilled hole diameter: $1.3^{\pm 0.1}$ mm

***WINSTA®* – perfectly plugged!**

WINSTA® MINI special
T- and h-Distribution Connectors, 4-Pole

	400 V/6 kV/3 I_N 16 A ❸ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❸ ❶ Approvals

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
T-distribution connector,	**T-distribution connector, 1 x plug / 2 x socket**			**h-distribution connector, unidirectional,**		
h-distribution connector,				**plug / socket – socket**		
4-pole	gray	**890-1631**	50	gray	**890-1681**	50
	light green	**890-1632**	50	light green	**890-1682**	50
	pink	**890-1633**	50	pink	**890-1683**	50
	for "flying leads," with 3rd locking lever			for "flying leads," with 3rd locking lever		
	gray	**890-1731**	50	gray	**890-1781**	50
	light green	**890-1732**	50	light green	**890-1782**	50
	pink	**890-1733**	50	pink	**890-1783**	50
	For pole marking, see Full Line Catalog, Volume 5!			For pole marking, see Full Line Catalog, Volume 5!		

Item-Specific Accessories

				Mounting plate, for distribution connectors		
					black	**890-624** 50
					white	**890-674** 50
				Fixing pin, for mounting plates		
					❷ black	**890-601** 250

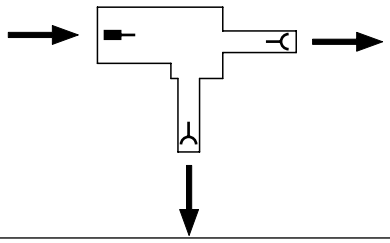
Info

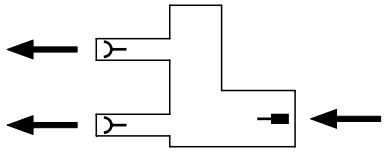
❶ Approvals are available online at:
www.wago.com
❷ 5.0 mm Ø, 0.2–1.2 mm plate thickness
❸ For 3-pole load I_N = 13 A!
For 4-pole load I_N = 10 A!

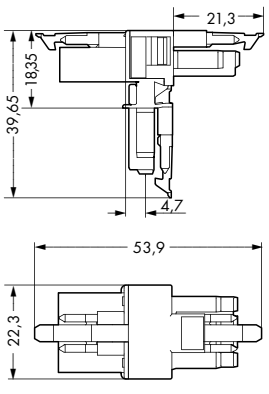
gray	Coding B	(1 2 3 4)
light green	Coding B	(1 2 3 4)
pink	Coding B	(1 2 3 4)

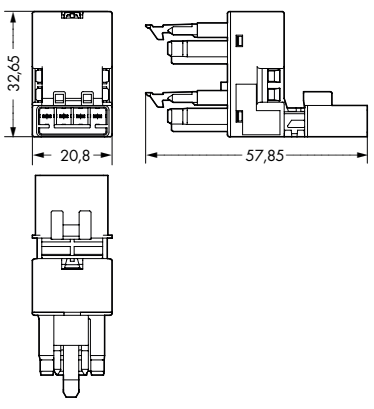
For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.

Dimensions



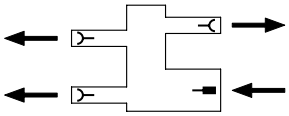


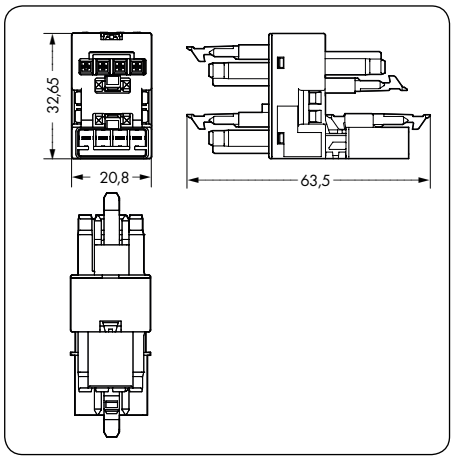




	400 V/6 kV/3 **I_N 16 A ❸** **❶ Approvals**	

Description	Color	Item No.	Pack. Unit	
Distribution connectors, 4-pole	**Distribution connector, 3-way, 1 x plug / 3 x socket**			
	gray	**890-1734**	50	
	light green	**890-1735**	50	
	pink	**890-1736**	50	
	For pole marking, see Full Line Catalog, Volume 5!			
Item-Specific Accessories				
	Mounting plate, for distribution connectors			
		black	**890-624**	50
		white	**890-674**	50
	Fixing pin, for mounting plates			
		❷ black	**890-601**	250





WINSTA® MINI
Sockets and Plugs, 5-Pole

	0.25–1.5 mm² ❶ 400 V/6 kV/3 I_N 16 A ❸ | 22–16 AWG 9 mm / 0.35 in ❷ Approvals	0.25–1.5 mm² ❶ 400 V/6 kV/3 I_N 16 A ❸ | 22–16 AWG 9 mm / 0.35 in ❷ Approvals

Notice:
All connectors for fixed installations (snap-in versions for lighting fixtures, devices or all types of PCBs and distribution cabinets) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for "flying leads" (plug/socket).

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Connectors, 5-pole, with CAGE CLAMP® S connection	**Socket**			**Plug**		
	gray	**890-245**	50	gray	**890-255**	50
	gray	**890-245/060-000***	50	gray	**890-255/060-000***	50
	gray	**890-245/062-000***	50	gray	**890-255/062-000***	50
	light green	**890-265**	50	light green	**890-275**	50
	light green	**890-265/073-000***	50	light green	**890-275/073-000***	50
	pink	**890-285**	50	pink	**890-295**	50
	pink	**890-285/080-000***	50	pink	**890-295/080-000***	50
	pink	**890-285/082-000***	50	pink	**890-295/082-000***	50
	*For pole marking, see Full Line Catalog, Volume 5!			*For pole marking, see Full Line Catalog, Volume 5!		

Accessories, 890 Series

	Locking lever, for "flying leads,"			**Locking lever,** for "flying leads,"		
		tool operated			tool operated	
		black	**890-111** 100 (2 x 50)		black	**890-111** 100 (2 x 50)
		white	**890-131** 100 (2 x 50)		white	**890-131** 100 (2 x 50)
	Mounting carrier, for 2- to 5-pole			**Mounting carrier,** for 2- to 5-pole		
		"flying leads"			"flying leads"	
		black	**890-310** 100		black	**890-310** 100
		white	**890-311** 100		white	**890-311** 100

Info

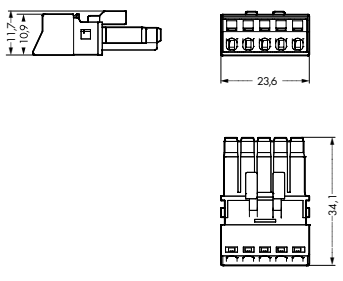
❶ Conductor sizes: 0.25–1.5 mm² "s + f-st"
0.25–1 mm² "stranded"
❷ Approvals are available online at:
www.wago.com
❷ For 3-pole load I_N = 13 A!
For 4- and 5-pole load I_N = 10 A!

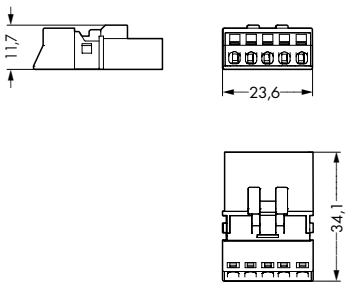
Standard printing (without suffix number)

gray	Coding B	(1 2 3 4 5)
light green	Coding B	(1 2 3 4 5)
pink	Coding B	(1 2 3 4 5)

For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.

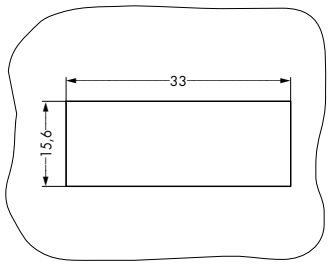
Dimensions





WINSTA® MINI
Snap-In Sockets and Plugs, 5-Pole

Cutout dimensions Plate thickness: 0.5–2 mm Cutout tolerance: +0.1 mm	0.25–1.5 mm² ❶ | 22–16 AWG 400 V/6 kV/3 I_N 16 A ❸ 9 mm / 0.35 in ❷ Approvals	0.25–1.5 mm² ❶ | 22–16 AWG 400 V/6 kV/3 I_N 16 A ❸ 9 mm / 0.35 in ❷ Approvals

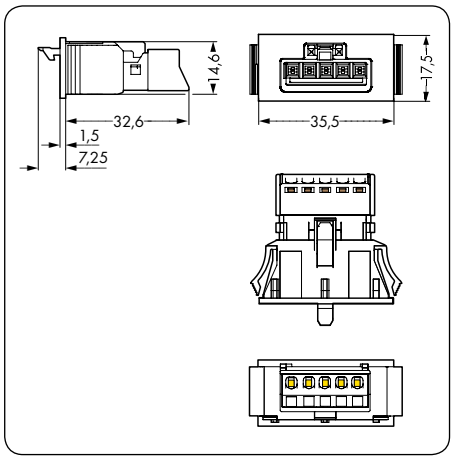


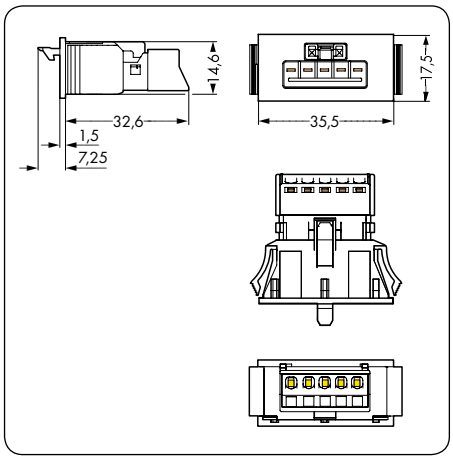
Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Snap-in device connectors, 5-pole, with CAGE CLAMP® S connection	**Socket**			**Plug**		
	gray	**890-745**	50	gray	**890-755**	50
	gray	**890-745/060-000***	50	gray	**890-755/060-000***	50
	gray	**890-745/062-000***	50	gray	**890-755/062-000***	50
	light green	**890-765**	50	light green	**890-775**	50
	light green	**890-765/073-000***	50	light green	**890-775/073-000***	50
	pink	**890-785**	50	pink	**890-795**	50
	pink	**890-785/080-000***	50	pink	**890-795/080-000***	50
	pink	**890-785/082-000***	50	pink	**890-795/082-000***	50
	*For pole marking, see Full Line Catalog, Volume 5!			*For pole marking, see Full Line Catalog, Volume 5!		

Accessories, 890 Series

	Lockout cap, for cutout, 5-pole			**Lockout cap,** for cutout, 5-pole		
		black	**770-643** 100		black	**770-643** 100
		white	**770-693** 100		white	**770-693** 100

Dimensions





***WINSTA*® – perfectly plugged!**

WINSTA® MINI special
PCB Connectors, 5-Pole

	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB connectors,	**Socket,** straight			**Plug,** straight		
2 solder pins per pole						
	gray	**890-845**	100	gray	**890-855**	100
	light green	**890-865**	100	light green	**890-875**	100
	pink	**890-885**	100	pink	**890-895**	100

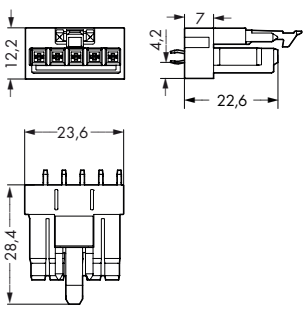
Info	Dimensions

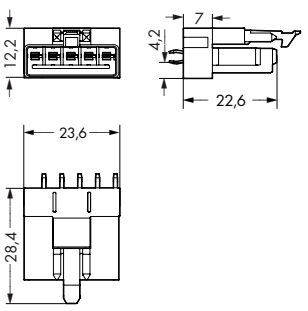
❶ Approvals are available online at:
www.wago.com

❷ For 3-pole load I_N = 13 A!
For 4- and 5-pole load I_N = 10 A!

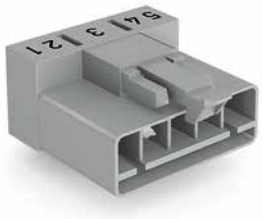
gray	Coding B	(1 2 3 4 5)
light green	Coding B	(1 2 3 4 5)
pink	Coding B	(1 2 3 4 5)

For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.



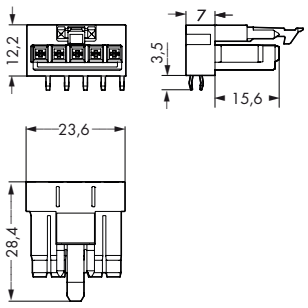


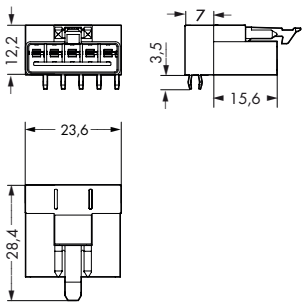
400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals	400 V/6 kV/3 I_N 16 A ❷ ❶ Approvals



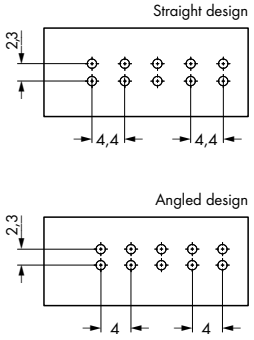
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Socket, angled			**Plug,** angled		
gray	**890-845/011-000**	100	gray	**890-855/011-000**	100
light green	**890-865/011-000**	100	light green	**890-875/011-000**	100
pink	**890-885/011-000**	100	pink	**890-895/011-000**	100

Dimensions





Hole patterns



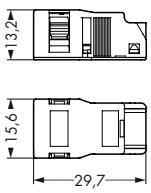
Drilled hole diameter: $1.3^{\pm 0.1}$ mm

***WINSTA®* – perfectly plugged!**

WINSTA® MINI
Strain Relief Housings, 2-Pole
Operating Tool, 2-Pole

	Snap-on type strain relief housings, short design for space-restricted applications, suitable for: **- 2-pole sockets** **- 2-pole plugs**	**Operating tool for 2-pole *WINSTA*® MINI connectors**

Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Strain relief housings, operating tool	**Strain relief housing,** for 3.8 – 8.2 mm cable diameter			**Operating tool, 2-pole,** for *WINSTA*® MINI connectors, 890 Series		
	black	**890-502/342-000**	50			
	white	**890-512/342-000**	50	green	**890-382**	1

Info	Dimensions
For coding information, see Full Line Catalog, Volume 5. Fire load data available upon request.	

WINSTA® MINI
Operating Tool, 3- and 5-Pole

Operating tool for 3-pole *WINSTA*® MINI connectors	Operating tool for 4-pole *WINSTA*® MINI connectors	Operating tool for 5-pole *WINSTA*® MINI connectors

Color	Item No.	Pack. Unit
Operating tool, 3-pole, for *WINSTA*® MINI connectors, 890 Series		
green	**890-383**	1

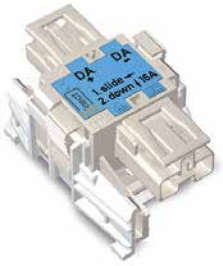
Color	Item No.	Pack. Unit
Operating tool, 4-pole, for *WINSTA*® MINI connectors, 890 Series		
green	**890-384**	1

Color	Item No.	Pack. Unit
Operating tool, 5-pole, for *WINSTA*® MINI connectors, 890 Series		
green	**890-385**	1

WINSTA® MIDI

Linect® T-Connector, 2-Pole

	250 V/4 kV/3 **I_N 25 A (16 A) ❶** **❷ Approvals**	



Description	Color	Item No.	Pack. Unit	
	Linect® T-connector, 2-pole, socket – plug, white housing, blue cover			
	blue	**770-7102**	25	
	Suitable for 294-8032 lighting connector			

Item-Specific Accessories

	Lockout cap, for socket, separable, 12-pole			
		black	**770-201**	100
		white	**770-221**	100
	Lockout cap, for plug, separable, 5-pole			
		yellow	**770-360**	100

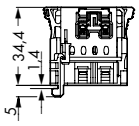
Info

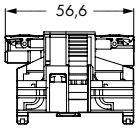
❷ **Approvals are available online at:**
www.wago.com

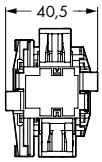
blue **Coding I** **(DA- DA+)**

For coding information, see Full Line Catalog, Volume 5.
Fire load data available upon request.

Dimensions

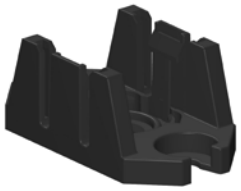






WINSTA® MIDI
Mounting Plate, 2-Pole
Operating Tool, 2- and 3-Pole

Mounting plate	Operating tool for 2-pole *WINSTA*® MIDI connectors	Operating tool for 3-pole *WINSTA*® MIDI connectors



Color	Item No.	Pack. Unit
Mounting plate, for 2-pole distribution connectors		
● black	**770-1626**	25
○ white	**770-1627**	25

Color	Item No.	Pack. Unit
Operating tool, 2-pole, for *WINSTA*® MIDI connectors, 770 Series		
green	**770-382**	1

Color	Item No.	Pack. Unit
Operating tool, 3-pole, for *WINSTA*® MIDI connectors, 770 Series		
green	**770-383**	1

Item-Specific Accessories

Fixing pin, for mounting plates

❷ black	**890-601**	250
❸ black	**770-601**	250

Thermal Transfer Printer
*smart*PRINTER

Description	Item No.	Pack. Unit
smartPRINTER		
includes:		
- Power supply unit and cable		
- USB cable		
- 1 x marking strip roll and WMB Inline markers		
- 2 x rollers		
- 1 x roll holder		
- 1 x ink ribbon		
- ***smart***SCRIPT marking software and driver		
	258-5000	1

Accessories

Ink ribbon for *smart*PRINTER		
	**258-5005**	1
Roller for *marking*STRIP		
	**258-5006**	1
Roller for WMB Inline		
	**258-5007**	1
Roller for Miniature WSB Inline		
	**258-5008**	1
Carrying case for *smart*PRINTER		
light gray, with foam padding for printer		
Dimensions (W x H x D): 50 x 26 x 33 cm		
	**258-5015**	1

Technical Data

Printing method	Thermal transfer
Print head	Glass layer, spring-mounted
Print speed	max. 127 mm/s
	(WAGO recommends 50.8 mm/s)
Print width (max.)	47 mm
Print length (max.)	762 mm
Print resolution	300 dpi (12 pixels/mm)
Transmissive/Reflective sensor	yes, centrally fixed
Operating display	Color TFT LCD with navigation button
Memory	8 MB Flash, 16 MB SDRAM
Interfaces	USB, RS-232, ETHERNET 10/100 Mbps
Operating voltage	100 ... 240 VAC, 50 ... 60 Hz
	(automatic adjustment)
Dimensions (W x H x D)	135 x 175 x 245 mm
Weight	2,000 g (without printing material)
Operating temperature	5 °C ... 40 °C (41 °F ... 104 °F)
Storage temperature	-20 °C ... 50 °C (-4 °F ... 122 °F)
Safety approvals	CE (EMC)
Ink ribbon	External roll diameter: 40 mm;
	Internal core diameter: 0.5" (12.7 mm);
	Max. length: 110 m; Max. width: 58 mm

Markers

Similiar to picture

Item No.	Pack. Unit
Miniature WSB Inline markers	
plain	
stretchable 5 ... 5.2 mm	
1,700 markers (5 mm) per roll	
white **2009-145**	1
Spare roller for TP 298+	
for accommodating the Mini-WSB Inline markers	
(for printer 04/2012 and later)	
258-183	1

Cable Marking

Item No.	Pack. Unit
Marking sleeve	
Sleeve length: 12 mm	
500 pcs	
for 1.4–5 mm wire diameter	
transparent **211-812**	1
for 5–11 mm wire diameter	
transparent **211-813**	1
Marker for marking sleeve	
12 x 4 mm	
2,500 pieces per roll	
white **211-811**	1
Marking sleeve	
Sleeve length: 23 mm	
500 pcs	
for 1.4–5 mm wire diameter	
transparent **211-823**	1
200 pcs	
for 5–11 mm wire diameter	
transparent **211-824**	1
Marker for marking sleeve	
23 x 4 mm	
2,500 pieces per roll	
white **211-821**	1

Cable Marking

Item No.	Pack. Unit
Marking sleeve	
Sleeve length: 23 mm	
Mounting via cable tie	
200 pcs	
transparent **211-829**	1
Marker for marking sleeve	
23 x 4 mm	
2,500 pieces per roll	
white **211-821**	1

Cable Marking and Labels

Cable Marking

Similiar to picture

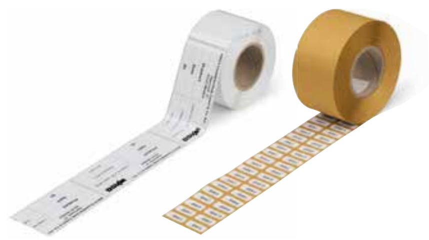
	Item No.	Pack. Unit
Cable tie marker		
500 pieces per roll		
25 x 20 mm		
25 x 10 mm write-on surface		
white	**211-835**	1
800 pieces per roll		
Inner wrap (write-on surface on the inner side)		
117.5 x 15 mm		
100 x 15 mm write-on surface		
white	**211-836**	1
Self-laminating labels (no illustration)		
1,000 pieces per roll		
9 x 18 mm write-on surface		
white	**211-855**	1
Self-laminating labels (no illustration)		
1,000 pieces per roll		
15 x 22 mm write-on surface		
white	**211-856**	1
500 pieces per roll		
18 x 44 mm write-on surface		
white	**211-857**	1

Cable Marking

Similiar to picture

	Item No.	Pack. Unit
Wire marker for thread-on mounting		
1,000 pieces per roll		
0.75 ... 1.5 mm²		
white	**211-861**	1
2.5 ... 6 mm²		
white	**211-862**	1
6 ... 16 mm²		
white	**211-863**	1

Label Rolls and Type Plates



	Item No.	Pack. Unit
Label roll		
Polyester, self-adhesive		
3,000 labels per roll		
6 x 15 mm		
white	**210-805**	1
yellow	**210-805/000-002**	1
9 x 15 mm		
white	**210-806**	1
yellow	**210-806/000-002**	1
8 x 20 mm		
white	**210-807**	1
yellow	**210-807/000-002**	1
9.5 x 25 mm		
white	**210-808**	1
5 x 35 mm		
white	**210-810**	1
Type plates		
Polyester		
500 markers per roll		
70 x 33 mm		
white	**210-801**	1
silver	**210-802**	1
99 x 44 mm		
white	**210-803**	1
silver	**210-804**	1
Label roll		
Fabric, self-adhesive		
3,000 labels per roll		
7 x 20 mm		
white	**210-811**	1
yellow	**210-811/000-002**	1

Lables and Push-Button Markers

Continuous Labels

	Item No.	Pack. Unit
Continuous labels		
Polyester, self-adhesive		
9 lengths at 25 m		
Width: 2.3 mm		
white	**210-831**	1
Width: 3 mm		
white	**210-832**	1
5 lengths at 25 m		
Width: 5 mm		
white	**210-834**	1
Width: 6 mm		
white	**210-833**	1

Push-Button Markers

	Item No.	Pack. Unit
Push-button markers		
semi-permanent adhesive		
1000 markers per roll		
26.5 x 18 mm		
silver	**210-850**	1
Plastic cover		
100 covers		
26.5 x 18 mm		
transparent	**210-851**	1
Push-button markers		
semi-permanent adhesive		
1000 markers per roll		
27.5 x 17.5 mm		
silver	**210-856**	1
Plastic cover		
100 covers		
27.5 x 17.5 mm		
transparent	**210-857**	1
Push-button markers		
permanent adhesive		
1000 markers per roll		
22 x 22 mm		
silver	**210-858**	1
Plastic cover		
100 covers		
22 x 22 mm		
transparent	**210-859**	1
Push-button markers		
permanent adhesive		
1000 markers per roll		
27 x 27 mm		
silver	**210-860**	1
Plastic cover		
100 covers		
27 x 27 mm		
transparent	**210-861**	1

Push-Button Markers

	Item No.	Pack. Unit
Push-button markers		
permanent adhesive		
1000 markers per roll		
27 x 12.5 mm		
silver	**210-862**	1
Plastic cover		
100 covers		
27 x 12.5 mm		
transparent	**210-863**	1
Push-button markers		
permanent adhesive		
350 markers per roll		
27 x 19 mm		
silver	**210-852**	1
Push-button markers		
permanent adhesive		
350 markers per roll		
27 x 18 mm		
silver	**210-855**	1
Universal push-button frame		
for **push-button markers** 210-852 and 210-855		
100 pcs per bag		
27 x 19 mm		
black	**210-853**	1
Label roll DD (device designation)		
Polyester		
500 labels per roll		
28 x 28 mm		
175 µm thick		
silver	**210-854**	1

Test and Measurement Tools

Clamp Meter **Clamp-Multi-Tester**		

Item No.	**Pack. Unit**		
Clamp-Multi-Tester,			
digital clamp meter			
- DC and AC current up to 600 A			
- True RMS and min./max. value measurement			
- DC and AC voltage up to 600 V			
- Manual or automatic selection of measurement range			
- Resistance up to 60 MΩ			
- Capacitance measurement			
- Acoustical continuity test			
- Diode test			
- Data hold function			
- Large LCD with backlight			
- LED measuring point lighting			
- CAT III 600 V overvoltage protection			
- IEC/EN 61010-1 (DIN VDE 0411)			
- Including batteries, measurement leads and carrying bag			
206-816	1		

Application Notes

Voltage testing in switchgear cabinet

Current measurement in switchgear cabinet

Item Number Index

Products highlighted in RED are new items for Autumn 2014

Item Number Index

Products highlighted in RED are new items for Autumn 2014

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Notes

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