

Electrical Interconnections

Supplementary Catalog to
Full Line Catalogs, Volumes 1/2/5
Edition 2013/2

1/2/5

WAGO[®]

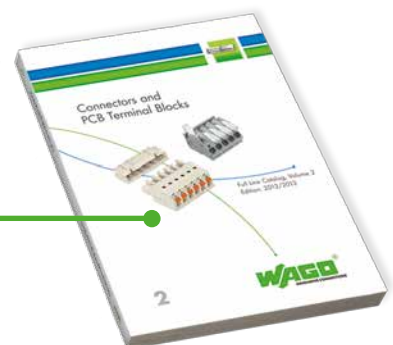
The new items in this catalog supplement products found in the following main catalogs

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Volume 5
WINSTA® - The Pluggable Connection System



Volume 2
Connectors and PCB Terminal Blocks



Volume 1
Rail-Mounted Terminal Block Systems



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Rail-Mounted Terminal Block Systems

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Connectors and PCB Terminal Blocks

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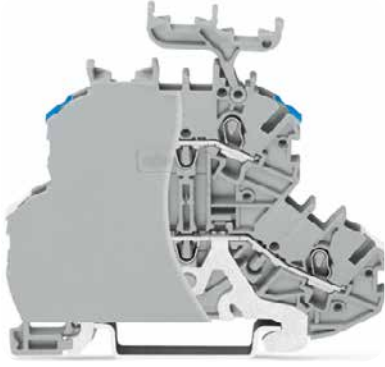


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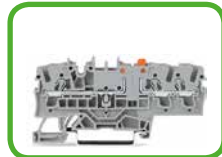
Double-Deck Terminal Blocks 2.5 mm² 2002 Series 07
Colored Push-In Type Jumper Bars 2000 Series 12
 Pluggable Diode Modules on Carrier Terminal Blocks 2.5 mm² 2002 Series 09



TOPJOB®
 Multilevel Installation Terminal Blocks 2.5 mm² 2003 Series 10



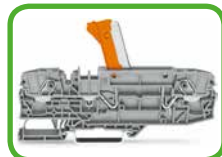
TOPJOB®
 Double-Deck Terminal Blocks 2.5 mm² 2002 Series 14
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TOPJOB®
3-Conductor Disconnect Terminal Blocks for Test and Measurement 2.5 mm² 2002 Series 18



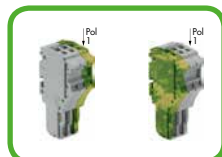
TOPJOB®
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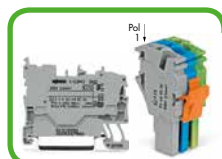
TOPJOB®
 Disconnect Terminal Blocks for Test and Measurement, Through and Carrier Terminal Blocks 6 mm² 2006 Series 26
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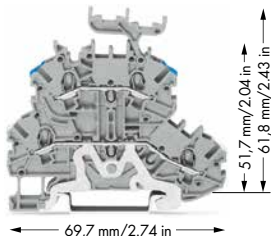
Vario-T-BOXX and Variobox 887 Series 42

Busbar Carriers 790 Series 40

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



0.14 - 1 (1.5) mm² ① | AWG 24 - 16
500 V/6 kV/3 ②
I_N 13.5 A (16 A)
Terminal block width 3.5 mm / 0.138 in
9 - 11 mm / 0.39 in ③



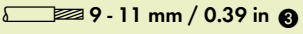
- ① Conductor sizes: 0.14 mm² - 1.5 mm² "s + f-st";
Push-in conductor sizes: 0.5 mm² - 1.5 mm² "s"
and 0.5 mm² - 0.75 mm²
"insulated ferrule, 10 mm"
- ② 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- ③ Strip length, see packaging or instructions.

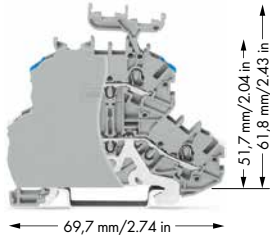
Item No.	Pack. Unit	2000 Series Accessories	
Ground conductor/through terminal block, with marker carrier, gray housing		Appropriate marking systems: WMB/Marking strips (see Section 13)	
Shield/N 2000-2248	50	End and intermediate plate, 0.7 mm thick	Test plug adapter,
Shield/L 2000-2258	50	orange 2000-2292 25	for 4 mm Ø test plug
		gray 2000-2291 25	gray 2009-174 100 (4x25)
Ground conductor/through terminal block, without marker carrier, gray housing		Push-in type jumper bar, insulated,	Banana plug,
Shield/N 2000-2218	50	I _N 14 A, light gray	for socket 4 mm Ø, color mixed
Shield/L 2000-2228	50	2-way 2000-402 200 (8x25)	215-111 50
		3-way 2000-403 200 (8x25)	Testing tap,
		4-way 2000-404 200 (8x25)	for max. 2.5 mm ²
		5-way 2000-405 100 (4x25)	gray 2009-182 100 (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	

TOPJOB® S

Double-Deck Terminal Blocks 1 (1.5) mm²

2000 Series

0.14 - 1 (1.5) mm² ① | AWG 24 - 16
 800 V/8 kV/3 ②
 I_N 13.5 A (16 A)
 Terminal block width 4.2 mm / 0.165 in
 9 - 11 mm / 0.39 in ③



- ① 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"
- ② 800 V = rated voltage
 8 kV = rated surge voltage
 3 = pollution degree
 (see Full Line Catalog, Volume 1, Section 14)
- ③ Strip length, see packaging or instructions.

Item No.	Pack. Unit	2000 Series Accessories					
Ground conductor/through terminal block, with end plate, with marker carrier,		Appropriate marking systems: WMB/Marking strips (see Section 13)					
gray housing		End and intermediate plate, 0.7 mm thick	Test plug adapter,				
○ Shield/N	2000-2248/099-000	50	for 4 mm Ø test plug				
○ Shield/L	2000-2258/099-000	50	gray	2009-174	100 (4x25)		
Ground conductor/through terminal block, with end plate, without marker carrier,		Push-in type jumper bar, insulated,	Testing tap,				
gray housing		I _N 18 A,	for max. 2.5 mm ²				
○ Shield/N	2000-2218/099-000	50	gray	2009-182	100 (4x25)		
○ Shield/L	2000-2228/099-000	50		Banana plug,			
		2-way	2001-402	200 (8x25)	for socket 4 mm Ø,		
		3-way	2001-403	200 (8x25)	color mixed		
		4-way	2001-404	200 (8x25)			
		5-way	2001-405	100 (4x25)			
		6-way	2001-406	100 (4x25)	215-111	50	
		7-way	2001-407	100 (4x25)	WMB Inline, plain,		
		8-way	2001-408	100 (4x25)	stretchable 4 - 4.2 mm,		
		9-way	2001-409	100 (4x25)	2,000 WMB markers, 4 mm, on roll		
		10-way	2001-410	100 (4x25)	white	2009-114	1
		Push-in type jumper bar, insulated,	WMB Multi marking system,				
		I _N 18 A,	10 strips with 10 markers per card,				
		light gray	stretchable 4 - 4.2 mm				
		from 1 to 3	2001-433	200 (8x25)	plain	793-4501	5
		from 1 to 4	2001-434	200 (8x25)	WMB Multi marking system, plain,		
		from 1 to 5	2001-435	100 (4x25)	10 strips with 10 markers per card,		
		from 1 to 6	2001-436	100 (4x25)	stretchable 4 - 4.2 mm		
		from 1 to 7	2001-437	100 (4x25)	yellow	793-4501/000-002	
		from 1 to 8	2001-438	100 (4x25)	red	793-4501/000-005	
		from 1 to 9	2001-439	100 (4x25)	blue	793-4501/000-006	
		from 1 to 10	2001-440	100 (4x25)	gray	793-4501/000-007	
		Protective warning marker,	orange			793-4501/000-012	
		with high-voltage symbol, black,	light green			793-4501/000-017	
		for 5 terminal blocks	green			793-4501/000-023	
		yellow	2001-115	100 (4x25)	violet	793-4501/000-024	
		Double-deck marker carrier,				5	
		pivoting					
		gray	2000-121	50 (2x25)			
		Marking strip, plain,					
		11 mm wide,					
		50 m roll					
		white	2009-110	1			

TOPJOB®

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

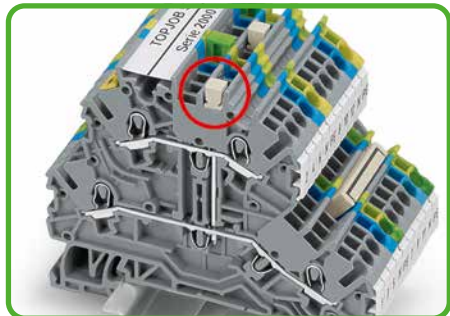
Double-deck vertical jumper
500 V/6 kV/3
I_N 13.5 A



Item No.	Pack. Unit	Item No.	Pack. Unit
Push-in type wire jumper , insulated, conductor cross section 0.75 mm ² , 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)		

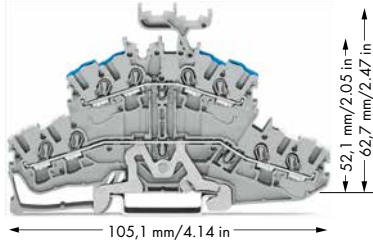


Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.



Double-deck vertical jumper, inserted.

0.25 - 2.5 (4) mm² ① | AWG 22 - 12
800 V/8 kV/3 ②
I_N 24 A (28 A)
Terminal block width 5.2 mm / 0.205 in
③ 10 - 12 mm / 0.43 in



- ① 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, 1.2 mm"
- ② 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- ③ Strip length, see packaging or instructions.
- ④ See application notes in Full Line Catalog, Volume 1, for:
Colored push-in type jumper bars, page 139
Vertical jumper, page 142

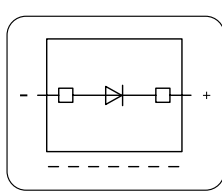
Item No.	Pack. Unit	2002 Series Accessories	
Shield conductor/through terminal block, with marker carrier,		Appropriate marking systems: WMB/Marking strips/WMB Inline (see Full Line Catalog, Volume 1, Section 13)	
gray housing		End and intermediate plate, 0.8 mm thick	Test plug adapter,
○ Shield/N 2002-2448	50	orange 2002-2492 100 (4x25)	for 4 mm Ø test plug
○ Shield/L 2002-2458	50	gray 2002-2491 100 (4x25)	gray 2009-174 100 (4x25)
Shield conductor/through terminal block, without marker carrier,		Double-deck marker carrier,	Banana plug,
gray housing		pivoting	for socket 4 mm Ø,
○ Shield/N 2002-2418	50	gray 2002-121 50 (2x25)	color mixed
○ Shield/L 2002-2428	50		215-111 50
		Insulation stop,	Testing tap,
		5 pcs/strip, 0.25 - 0.5 mm ²	for max. 2.5 mm ²
		light gray 2002-171 200 (8x25)	gray 2009-182 100 (4x25)
		Insulation stop,	WMB Multi marking system,
		5 pcs/strip, 0.75 - 1 mm ²	10 strips with 10 markers per card, stretchable 5 - 5.2 mm
		dark gray 2002-172 200 (8x25)	plain 793-5501 5
		Push-in type jumper bar, insulated,	WMB Multi marking system, plain,
		④ I _N 25 A, light gray	10 strips with 10 markers per card, stretchable 5 - 5.2 mm
		2-way 2002-402 200 (8x25)	yellow 793-5501/000-002
		3-way 2002-403 200 (8x25)	red 793-5501/000-005
		4-way 2002-404 200 (8x25)	blue 793-5501/000-006
		5-way 2002-405 100 (4x25)	gray 793-5501/000-007
		6-way 2002-406 100 (4x25)	orange 793-5501/000-012
		7-way 2002-407 100 (4x25)	light green 793-5501/000-017
		8-way 2002-408 100 (4x25)	green 793-5501/000-023
		9-way 2002-409 100 (4x25)	violet 793-5501/000-024
		10-way 2002-410 100 (4x25)	5
		Push-in type jumper bar, insulated,	WMB Inline, plain,
		I _N 25 A, light gray	stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll
		from 1 to 3 2002-433 200 (8x25)	white 2009-115 1
		from 1 to 4 2002-434 200 (8x25)	Marking strip, plain,
		from 1 to 5 2002-435 100 (4x25)	11 mm wide, 50 m roll
		from 1 to 6 2002-436 100 (4x25)	white 2009-110 1
		from 1 to 7 2002-437 100 (4x25)	TOPJOB®S group marker carrier,
		from 1 to 8 2002-438 100 (4x25)	snap-on type for jumper slot, 5 mm wide
		from 1 to 9 2002-439 100 (4x25)	gray 2009-191 50 (2x25)
		from 1 to 10 2002-440 100 (4x25)	
		Double-deck vertical jumper, insulated,	
		④ 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)	

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



- 1 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"
- 2 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"
- 3 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"
- 4 Suitable for Ex e II applications
- 5 Strip length, see packaging or instructions.



- 1 Length of 2002-1661: 66.5 mm / 2.62 in
2-conductor carrier terminal block
- 2 Length of 2002-1861: 87.5 mm / 3.45 in
4-conductor carrier terminal block
- 3 Length of 2002-1961: 72.9 mm / 2.87 in
2-conductor carrier terminal block with additional
jumper position
- 4 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,	
1	0.25 - 2.5 (4) mm ² / 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,	
2	0.25 - 2.5 (4) mm ² / 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,	
3	0.25 - 2.5 (4) mm ² / 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 mm ² light gray 2002-171 200 (8x25)
Insulation stop,	
	5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)

Accessories

Push-in type wire jumper,	
4	insulated, I _N 16 A, wire size 1.5 mm ²
	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,	
4	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,	
4	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)

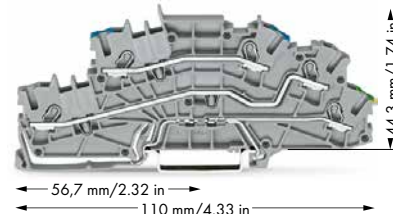
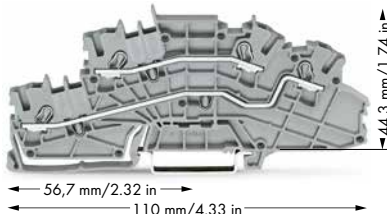
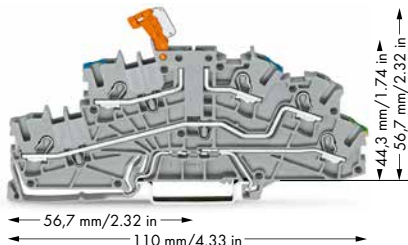
TOPJOB®



Multilevel Installation Terminal Blocks 2.5 (4) mm² 2003 Series

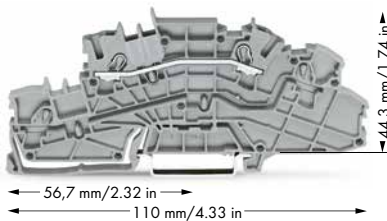
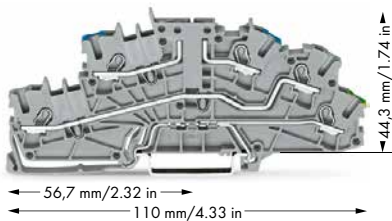
0.25 - 2.5 (4) mm² ① | AWG 22 - 12
 250 V/4 kV/3; 20 A (25 A) ② ③
 400 V/6 kV/3; 20 A (25 A) ② ④
 Terminal block width 5.2 mm / 0.205 in
 10 - 12 mm / 0.43 in ⑤



0.25 - 2.5 (4) mm² ① | AWG 22 - 12
 400 V/6 kV/3 ②
 I_N 24 A (28 A)
 Terminal block width 5.2 mm / 0.205 in
 10 - 12 mm / 0.43 in ⑤

0.25 - 2.5 (4) mm² ① | AWG 22 - 12
 250 V/4 kV/3; 24 A (28 A) ② ③
 400 V/6 kV/3; 24 A (28 A) ② ④
 Terminal block width 5.2 mm / 0.205 in
 10 - 12 mm / 0.43 in ⑤



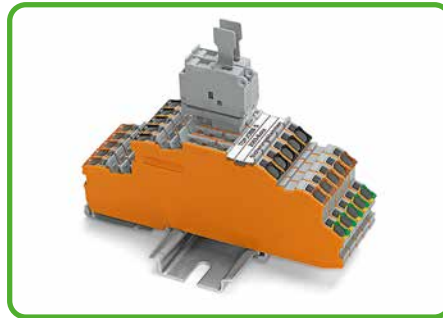
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Multilevel installation terminal block, with movable knife disconnect, gray		Multilevel installation terminal block, gray		Multilevel installation terminal block, gray	
○ NTi/L/PE 2003-6641	50	○ L/L 2003-6642	50	○ N/L/PE 2003-6646	50
○ LTi/L/PE 2003-6644	50	○ N/L 2003-6649	50	○ L/L/PE 2003-6645	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	Item No.	Pack. Unit
Multilevel installation terminal block, carrier terminal block without knife disconnect, gray		Multilevel installation terminal block, gray	
○ N/L/PE 2003-6640	50	○ L 2003-6650	50
Maximum current depends on accessories used.		○ N 2003-6651	50
Black upper-deck, brown middle-deck, green-yellow lower-deck printing			
○ 2003-6643	50		
Item-Specific Accessories			
Fuse plug with pull-tab, for miniature metric fuses			
 5 x 20 mm, gray 2004-911	50		
End and intermediate plate, only for use with fuse plugs, 1 mm thick			
 orange 2003-6693	100 (4x25)		



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

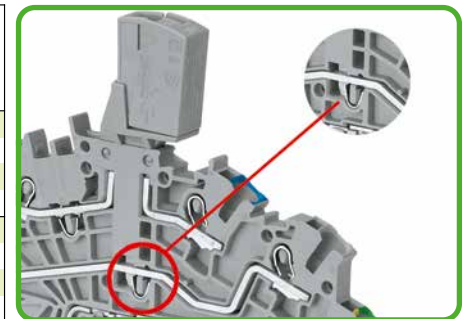


In combination with the 1 mm thick end and intermediate plate (2003-6693), the single fuse holder (2004-911) can also be used with the carrier terminal blocks (2003-6640 and 2003-6643).

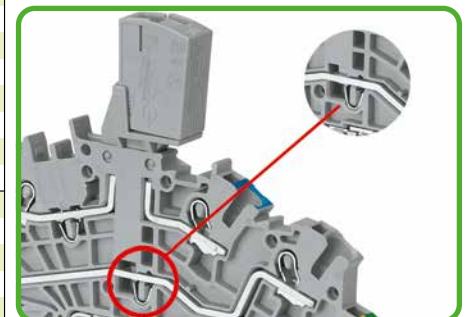
- ❶ Conductor sizes: 0.25 mm² - 4 mm² "s + f-st";
Push-in conductor sizes: 0.75 mm² - 4 mm² "s"
"insulated ferrules, 12 mm"
- ❷ 250 V/
400 V = rated voltage
4 kV/
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- ❸ 250 V/4 kV potential-ground
- ❹ 400 V/6 kV potential-potential
- ❺ Strip length, see packaging or instructions.

Accessories Multilevel Installation Terminal Block

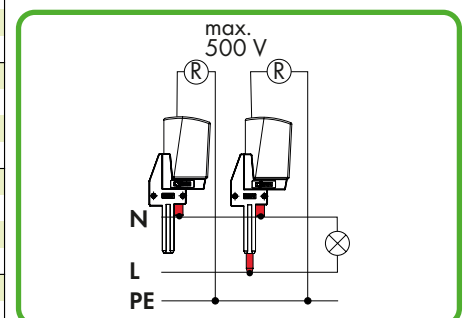
Push-in type jumper bars and staggered jumpers, see 2002 Series



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



End and intermediate plate, for use without fuse plug, 0.8 mm thick orange 2003-6692 100 (4x25)	Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)
Adjacent jumper for continuous commoning, insulated, I _N 25 A, light gray 2-way 2002-400 100 (4x25)	Insulation stop, 5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)
Busbar carrier, not suitable as end stop, for DIN 35 rail, 1.5 mm thick blue 2009-304 100 (4x25)	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)
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 wire jumper, insulated, I _N 16 A, wire size 1.5 mm ² 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 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)	WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5
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)	WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white 2009-115 1
Operating tool, 3.5 mm and 2.5 mm blade, for TOPJOB®S installation terminal blocks 2009-309 50	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	Operating tool, 3.5 mm and 5.5 mm blade, for TOPJOB®S installation terminal blocks 2009-310 50

1 TOPJOB®

Colored Push-In Type Jumper Bars

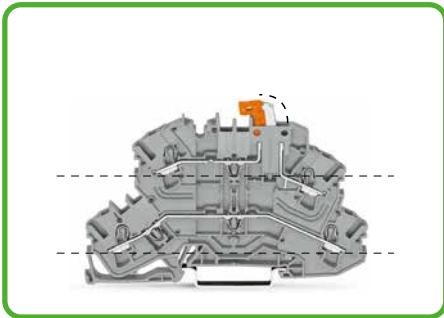
2000 Series

12
Volume 1

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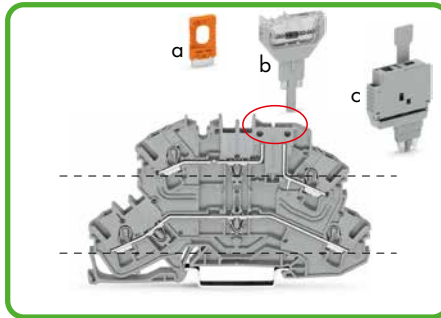


Item No.	Pack. Unit	Item No.	Pack. Unit
Push-in type jumper bar, insulated, In 14 A, red		Push-in type jumper bar, insulated, In 14 A, blue	
● 2-way	2000-402/000-005	● 2-way	2000-402/000-006
● 3-way	2000-403/000-005	● 3-way	2000-403/000-006
● 4-way	2000-404/000-005	● 4-way	2000-404/000-006
200 (8x25)		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)	



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** (see page 14) 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.

- ① 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"
- ② 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- ③ Strip length, see packaging or instructions.
- ④ Suitable for Ex i applications
- ⑤ 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.


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 mm ²			
	light gray	2002-171	200 (8x25)

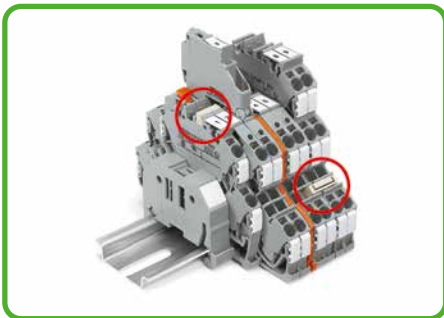
Insulation stop, 5 pcs/strip, 0.75 - 1 mm ²			
	dark gray	2002-172	200 (8x25)

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)

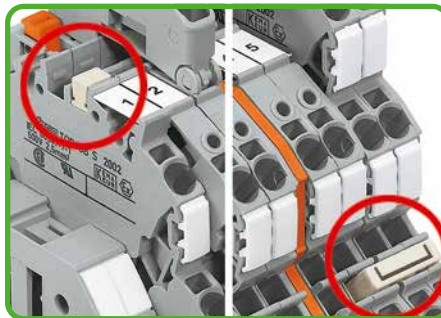
Push-in type jumper bar, insulated, I _N 25 A,			
	light gray		
	from 1 to 3	2002-433	200 (8x25)
	from 1 to 4	2002-434	200 (8x25)
	from 1 to 5	2002-435	100 (4x25)
	from 1 to 6	2002-436	100 (4x25)
	from 1 to 7	2002-437	100 (4x25)
	from 1 to 8	2002-438	100 (4x25)
	from 1 to 9	2002-439	100 (4x25)
	from 1 to 10	2002-440	100 (4x25)

Double-deck vertical jumper, insulated,			
	I _N 24 A, light gray	2002-492	100 (4x25)

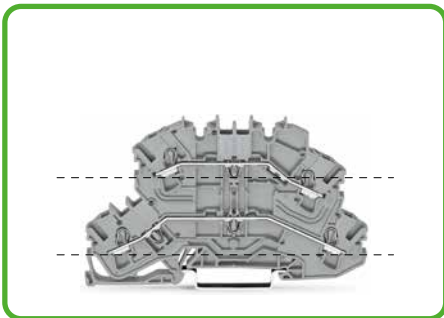
Adjacent jumper for continuous commoning, insulated,			
	I _N 25 A, light gray		
	2-way	2002-400	100 (4x25)



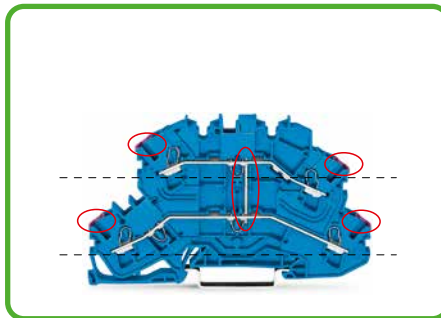
Same profile allows for commoning with TOPJOB® S double-deck terminal blocks (upper deck) and with triple-deck terminal blocks (lower deck).



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



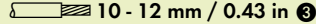
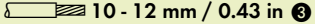
The **through terminal block (2002-2601)** features two independent current bars on both lower and upper deck, sharing the same profile as the disconnect terminal block. Commoning is also possible for these terminal blocks using the double-deck vertical jumper (2002-492).

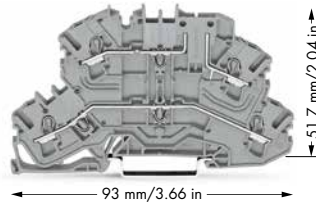
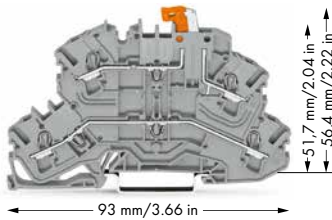


The **4-conductor through terminal block (2002-2609)** with internal commoning can be immediately identified via violet-colored conductor entry.

TOPJOB®

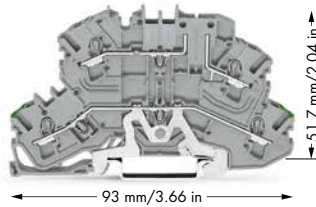
Double-Deck Disconnect Terminal Blocks and Carrier Terminal Blocks 2.5 (4) mm², 2002 Series

<p>0.25 - 2.5 (4) mm² ❶ AWG 22 - 12 400 V/6 kV/3 ❷ I_N 16 A</p> <p>Terminal block width 5.2 mm / 0.205 in </p>	<p>0.25 - 2.5 (4) mm² ❶ AWG 22 - 12 400 V/6 kV/3 ❷ I_N 16 A</p> <p>Terminal block width 5.2 mm / 0.205 in </p>
--	---



- 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	Item No.	Pack. Unit		
<p>Double-deck disconnect terminal block, with movable knife disconnect, gray housing</p>		<p>Double-deck carrier terminal block, upper deck carrier, gray housing</p>			
L/L	2002-2671	50	<p> L/L</p>	2002-2661	50
N/L	2002-2672	50	<p> N/L</p>	2002-2662	50

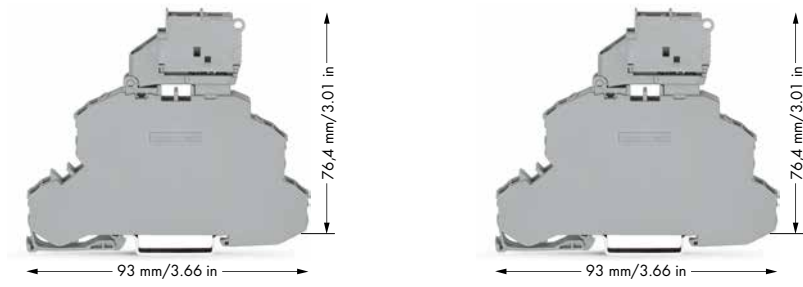


	Item No.	Pack. Unit
	Double-deck carrier terminal block, upper deck carrier, gray housing	
PE/L	2002-2667	50

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, 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, I_N 24 A, light gray			
	light gray	2002-492	100 (4x25)
Adjacent jumper for continuous commoning, insulated, I_N 25 A, light gray			
	2-way	2002-400	100 (4x25)

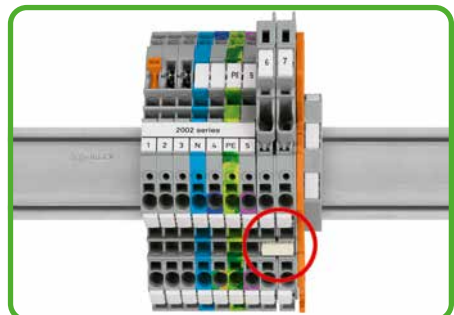
Double-Deck Fuse Disconnect Terminal Blocks with Pivoting Fuse Holder 2.5 (4) mm², 2002 Series

<p>0.25 - 2.5 (4) mm² ① AWG 22 - 12 250 V/6 kV/3 ② I_N 6.3 A</p> <p>Terminal block width 6.2 mm / 0.244 in 10 - 12 mm / 0.43 in ③</p>	<p>0.25 - 2.5 (4) mm² ① AWG 22 - 12 250 V/6 kV/3 ② I_N 6.3 A</p> <p>Terminal block width 6.2 mm / 0.244 in 10 - 12 mm / 0.43 in ③</p>
--	--



- ① 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, 1.2 mm"
- ② 250 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- ③ Strip length, see packaging or instructions.
- ④ See application notes in Full Line Catalog, Volume 1, for:
Vertical jumper, page 142
- ⑤ Protective warning marker and insulation stop must be applied individually.
- ⑥ 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	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.		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			
○ L/L	2002-2611	25	○ 12 - 30 V	2002-2611/1000-541	25
○ N/L	2002-2612	25	○ 30 - 65 V	2002-2611/1000-542	25
			○ 230 V	2002-2611/1000-836	25

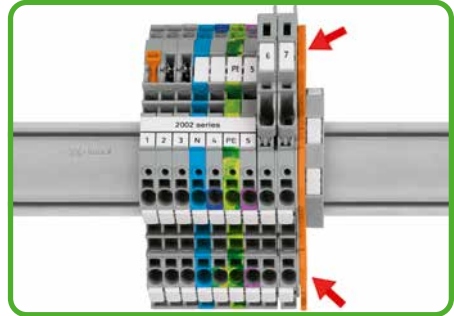


A spacer plate is supplied with all 6.2 mm wide fuse terminal blocks. Due to the 6.2 mm width of fuse terminal blocks with pivoting fuse holder, 2004 Series jumpers must be used.

2002 Series Accessories

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

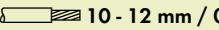
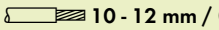
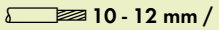
End and intermediate plate, 1 mm thick orange 2002-2692 100 (4x25) gray 2002-2691 100 (4x25)	End plate for fuse terminal blocks, 2 mm thick orange 2002-1092 100 (4x25) gray 2002-1091 100 (4x25)
Push-in type jumper bar, insulated, I _N 32 A, light gray 2-way 2004-402 200 (8x25) 3-way 2004-403 200 (8x25) 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)	Insulation stop, ⑤ 5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)
	Insulation stop, 5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)
	Protective warning marker, ⑤ 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)	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
Double-deck vertical jumper, insulated, ④ I _N 24 A light gray 2002-492 100 (4x25)	

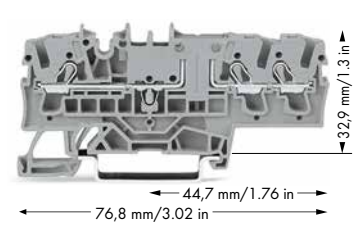
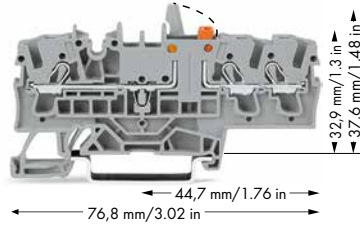
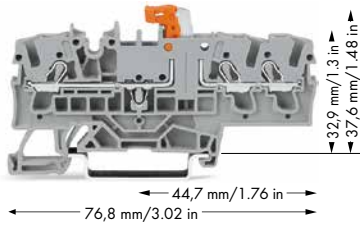


Additionally, an end plate for fuse terminal blocks (e.g., 2002-1092, orange) must be used at the end of an assembly or if there is no adjacent fuse terminal block.

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

<p>0.25 - 2.5 (4) mm² ① AWG 22 - 12 400 V/6 kV/3 ② I_N 16 A</p> <p>Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ③</p>	<p>0.25 - 2.5 (4) mm² ① AWG 22 - 12 400 V/6 kV/3 ② I_N 16 A</p> <p>Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ③</p>	<p>0.25 - 2.5 (4) mm² ① AWG 22 - 12 400 V/6 kV/3 ② I_N 16 A</p> <p>Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ③</p>
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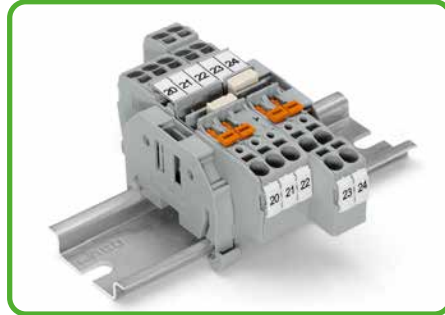


Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
3-conductor disconnect terminal block for test and measurement, with test point, orange disconnect link		3-conductor disconnect terminal block for test and measurement with mechanical interlock, with test point, orange disconnect link		3-conductor through terminal block, with test point, same profile as 3-conductor disconnect terminal block	
○ gray	2002-1771 50	○ gray	2002-1771/401-000 50	○ gray	2002-1701 50
● blue	2002-1774 50	● blue	2002-1774/401-000 50	● blue	2002-1704 50
● orange	2002-1772 50	● orange	2002-1772/401-000 50	● orange	2002-1702 50

2002 Series Accessories

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

<p>End and intermediate plate, 1 mm thick</p> <p>orange 2002-1792 100 (4x25) gray 2002-1791 100 (4x25)</p>	<p>Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks</p> <p>yellow 2002-115 100 (4x25)</p>	<p>Customized staggered jumper, insulated, I_N 25 A, light gray</p> <p>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)</p>
<p>Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm² light gray 2002-171 200 (8x25)</p>	<p>Push-in type jumper bar, insulated, I_N 25 A, light gray</p> <p>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)</p>	<p>Modular TOPJOB®S connector, can be snapped together, for jumper contact slot gray 2002-511 100 (4x25)</p>
<p>Insulation stop, 5 pcs/strip, 0.75 - 1 mm² dark gray 2002-172 200 (8x25)</p>	<p>Staggered jumper, insulated, I_N 25 A, light gray</p> <p>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)</p>	<p>Spacer module, can be snapped together, e.g., for bridging commoned terminal blocks gray 2002-549 100 (4x25)</p>
<p>Push-in type jumper bar, insulated, I_N 25 A, light gray</p> <p>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)</p>	<p>End plate, for modular TOPJOB®S connectors, 1.5 mm thick gray 2002-541 100 (4x25)</p>	<p>TOPJOB®S L-test plug module, can be snapped together gray 2002-611 100 (4x25)</p>
<p>Push-in type wire jumper, insulated, I_N 16 A, wire size 1.5 mm²</p> <p>L = 60 mm 2009-412 100 (10x10) L = 110 mm 2009-414 100 (10x10) L = 250 mm 2009-416 100 (10x10)</p>	<p>Test plug adapter, for 4 mm Ø test plug gray 2009-174 100 (4x25)</p>	<p>Testing tap, for max. 2.5 mm² gray 2009-182 100 (4x25)</p>
<p>Adjacent jumper for continuous commoning, insulated, I_N 25 A, light gray</p> <p>2-way 2002-400 100 (4x25)</p>	<p>Banana plug, for socket 4 mm Ø, color mixed</p> <p>215-111 50</p>	




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.


- 1 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"
- 2 400 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- 3 Strip length, see packaging or instructions.
- 4 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


Double-deck marker carrier,

	pivoting gray	2002-121	50 (2x25)
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WMB Multi marking system,

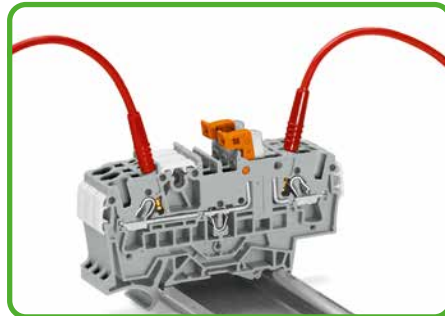
	10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain	793-5501	5
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WMB Inline, plain,

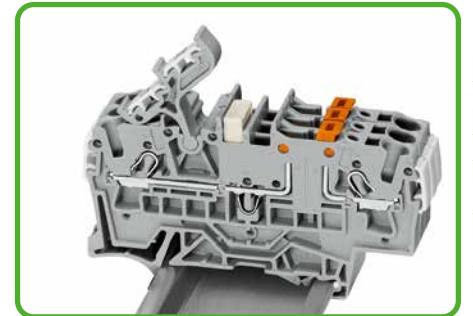
	stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white	2009-115	1
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Marking strip, plain,

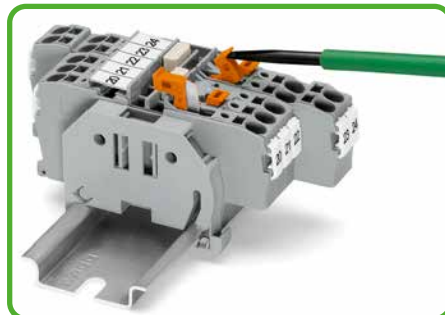
	11 mm wide, 50 m roll white	2009-110	1
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Testing with test plug 2 mm Ø



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.

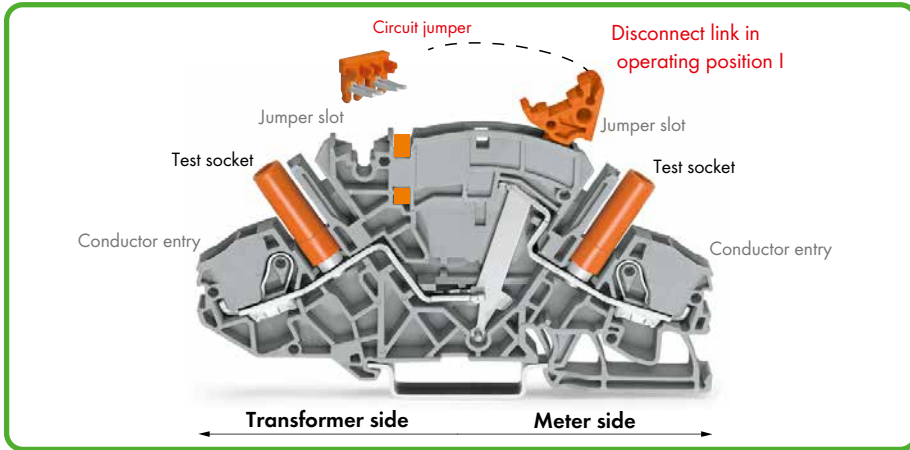


Carrier terminal block with disconnect plug in operating position.



Carrier terminal block with disconnect plug in parked position.

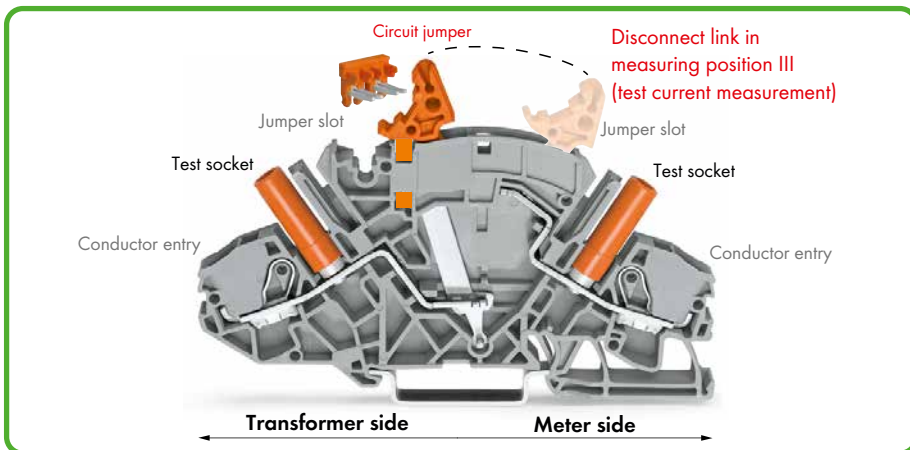
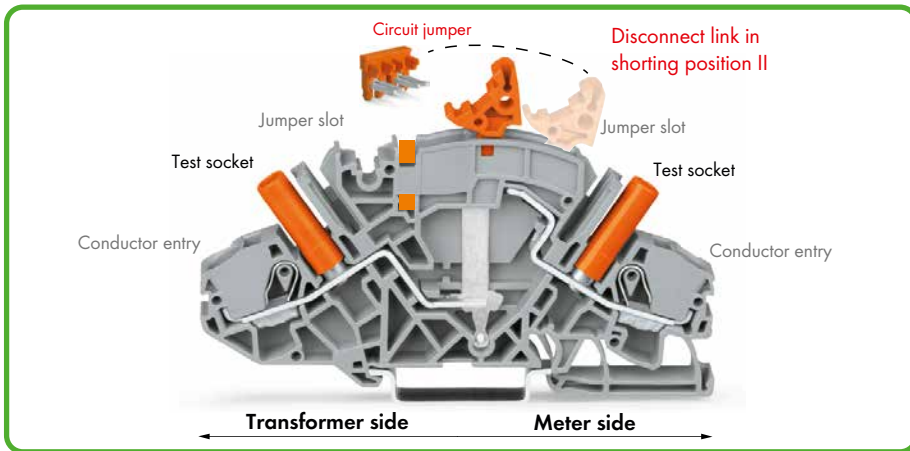
TOPJOB® S 2007-8821 Current Transformer Terminal Blocks (Orange Disconnect Link)



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 simultaneously.



CAGE CLAMP®S
clamps the following
copper conductors:*

solid



stranded

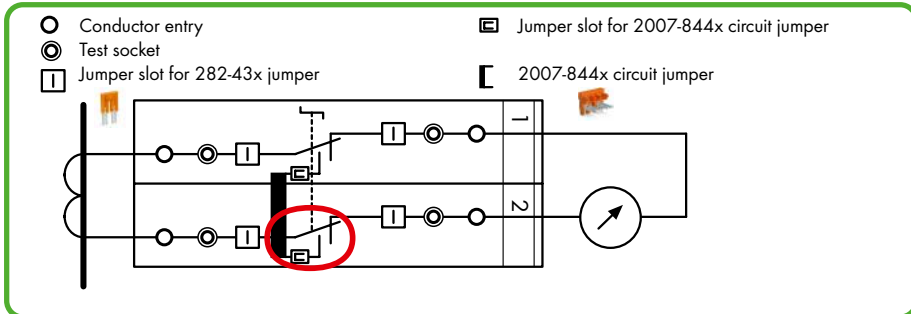


fine-stranded,
also with tinned
single strands

Disconnect link in operating position I

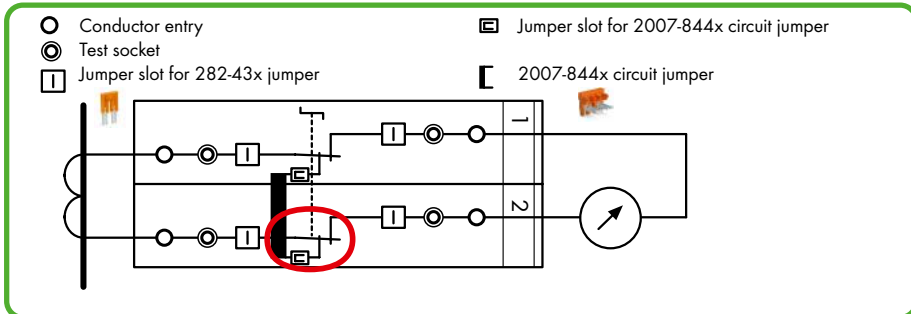


Terminal blocks required:
 2 x disconnect/test terminal block 2007-8821
 1 x circuit jumper, orange 2007-8442
 optional with locking covers or interlocking links



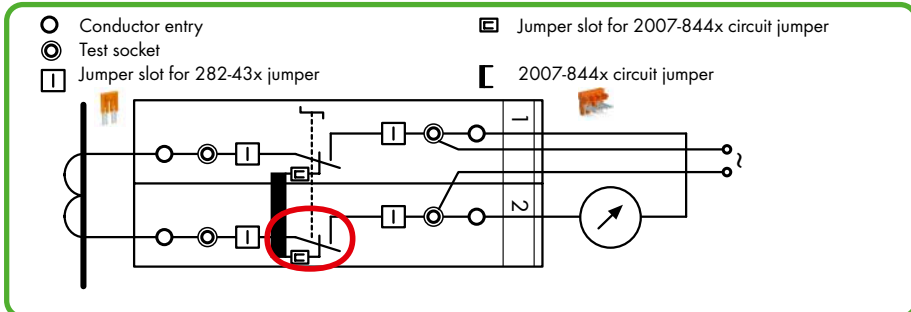
In operating position, the measuring device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position I.

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

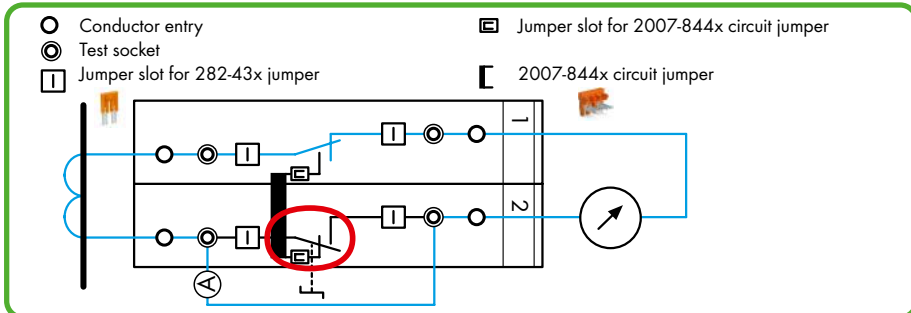


The measuring device/relay is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device/relay via the test socket.

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)



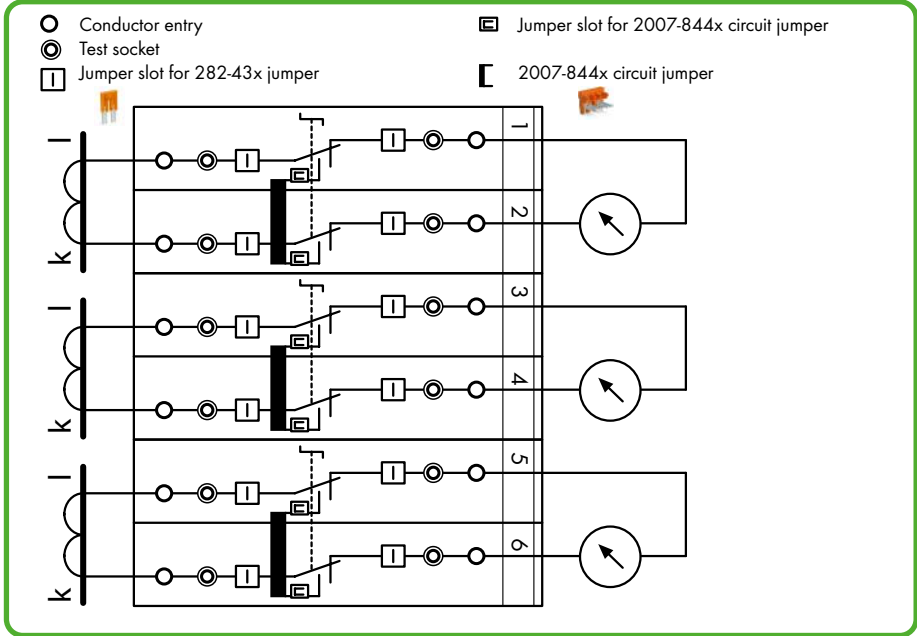
fine-stranded, with pin terminal (gastight crimped)

Examples for Current Transformer Circuits

22 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

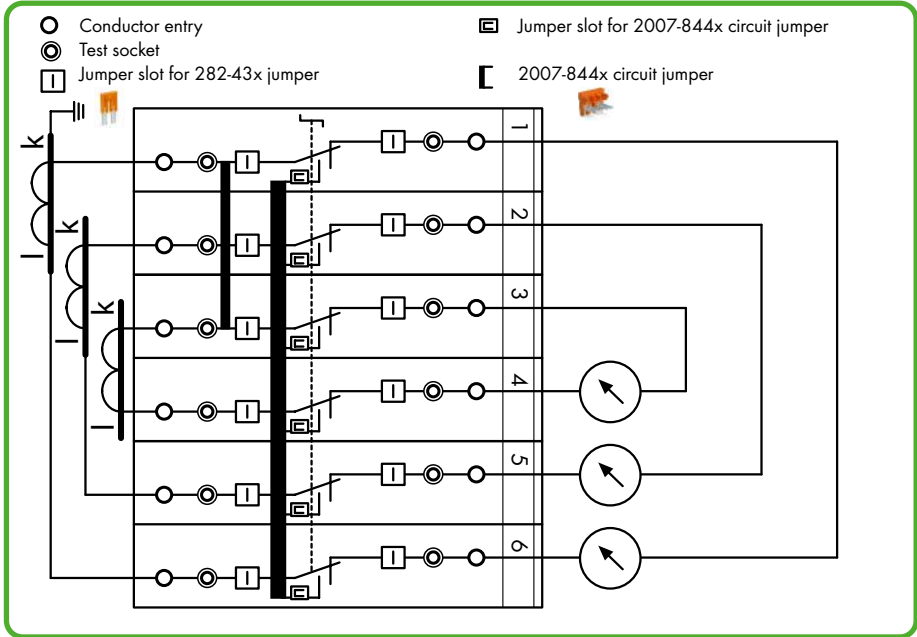


Pairs of disconnect links are interconnected via locking covers or interlocking links. Measurement testing is performed after the interlocking is released.

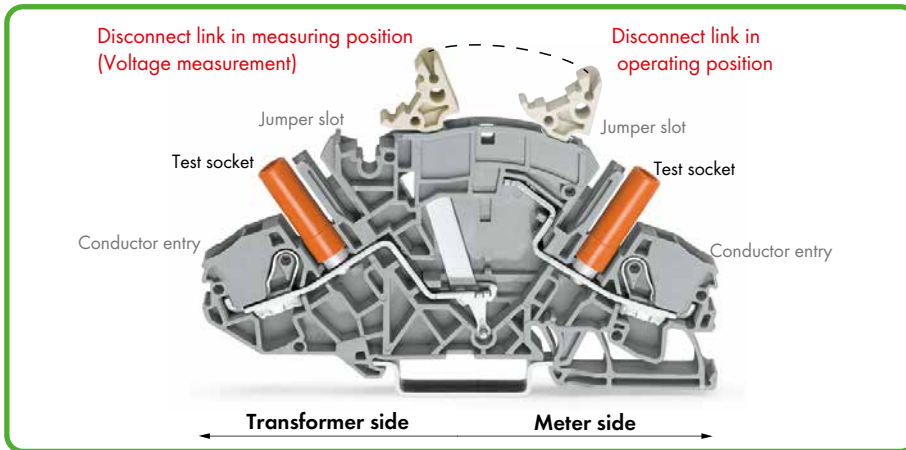
Measuring set for a 3-phase current transformer with 'Y' point



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.



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

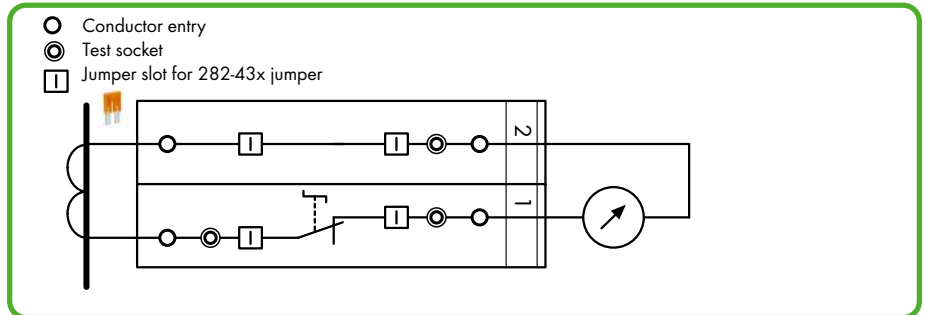
First, the voltage transformer must be disconnected from the circuit (from operating position to measuring position). Connecting a measuring device via test socket on the meter side can only be performed once circuit disconnection is completed (measuring position).

- 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.

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

0.5 - 6 (10) mm² ① | AWG 20 - 8
500 V/6 kV/3 ②
I_N 30 A

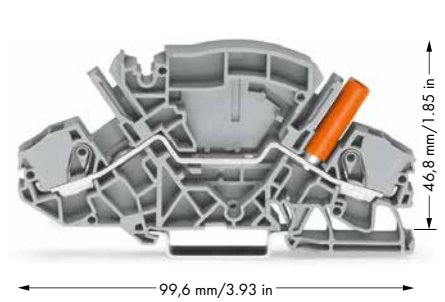
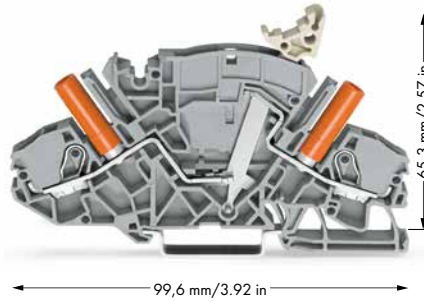
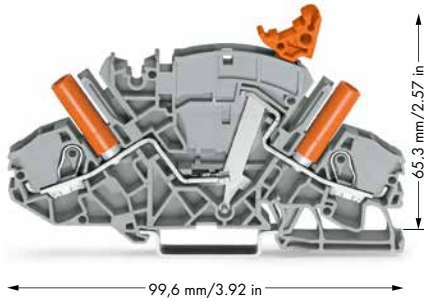
Terminal block width 8 mm / 0.315 in
13 - 15 mm / 0.55 in ③


0.5 - 6 (10) mm² ① | AWG 20 - 8
500 V/6 kV/3 ②
I_N 30 A

Terminal block width 8 mm / 0.315 in
13 - 15 mm / 0.55 in ③

0.5 - 6 (10) mm² ① | AWG 20 - 8
500 V/6 kV/3 ②
I_N 30 A

Terminal block width 8 mm / 0.315 in
13 - 15 mm / 0.55 in ③



Item No.	Pack. Unit	Item No.	Pack. Unit	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		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		2-conductor through terminal block , with touch-proof test socket, for 4 mm Ø test plug	
○ gray 2007-8821	20	○ gray 2007-8811	20	○ 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	Jumper , insulated, I _N 30 A, orange	Jumper , special design, I _N 30 A, orange
orange 2007-8892 50 (5x10)	2-way 282-432 50 (5x10)	1-3-5 282-435/011-000
gray 2007-8891 50 (5x10)	3-way 282-433 50 (5x10)	1-2-4-6 282-436/301-000
End and separator plate , 1.5 mm thick, for use of lock-out seal	4-way 282-434 50 (5x10)	1-3-5-7 282-437/011-000
orange 2007-8894 50 (5x10)	5-way 282-435 50 (5x10)	1-4-7 282-437/012-000
gray 2007-8893 50 (5x10)	6-way 282-436 50 (5x10)	1-2-5-8 282-438/300-000
Lock-out , for disconnect link	7-way 282-437 50 (5x10)	1-4-7-8 282-438/301-000
yellow 2007-8899 100 (5x20)	8-way 282-438 50 (5x10)	1-3-5-7-9 282-439/011-000 50 (5x10)
Locking cover , transparent, mechanically locks multiple links	Jumper with safety lid , insulated, I _N 30 A, orange	Protective warning marker , with high-voltage symbol, black, for 5 terminal blocks
1-pole 282-881 50 (5x10)	2-way 282-432/100-000	yellow 2006-115 100 (4x25)
2-pole 282-882 50 (5x10)	3-way 282-433/100-000	WMB Multi marking system , 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm
3-pole 282-883 50 (5x10)	4-way 282-434/100-000 50 (5x10)	plain 793-501 5
4-pole 282-884 50 (5x10)		Marking strip , plain, 11 mm wide, 50 m roll
5-pole 282-885 50 (5x10)	Interlocking link , mechanically locks multiple links, 1 m/3'3" long	white 2009-110 1
6-pole 282-886 50 (5x10)	transparent 210-254 1	
7-pole 282-887 50 (5x10)		
8-pole 282-888 50 (5x10)		

0.5 - 6 (10) mm² ① | AWG 20 - 8


Terminal block width 8 mm / 0.315 in

13 - 15 mm / 0.55 in ③



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

- ① 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"
- ② 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- ③ 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
WMB Multi marking system, 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm, yellow k/1 (50x) 794-5553/000-002	
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	



Lock-out prevents accidental operation of disconnect link.



Lock-out snaps into one of two notched positions.



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



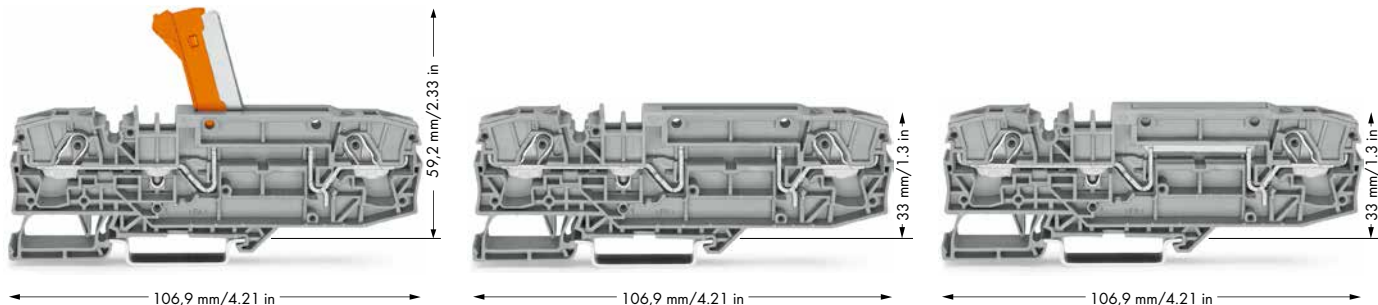
A lock-out seal can be used on the disconnect link in operating position I in connection with end and separator plate (2007-8893 or 2007-8894)


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 ① | AWG 20 - 8
AC/DC 1000 V/ DC 1500 V/12 kV/3 ②
I_N 30 A
Terminal block width 15 mm / 0.591 in
13 - 15 mm / 0.55 in ③

0.5 - 6 (10) mm² ① | AWG 20 - 8
AC/DC 1000 V/ DC 1500 V/12 kV/3 ②
I_N 30 A
Terminal block width 15 mm / 0.591 in
13 - 15 mm / 0.55 in ③










0.5 - 6 (10) mm² ① | AWG 20 - 8
AC/DC 1000 V/ DC 1500 V/12 kV/3 ②
I_N 30 A
Terminal block width 15 mm / 0.591 in
13 - 15 mm / 0.55 in ③

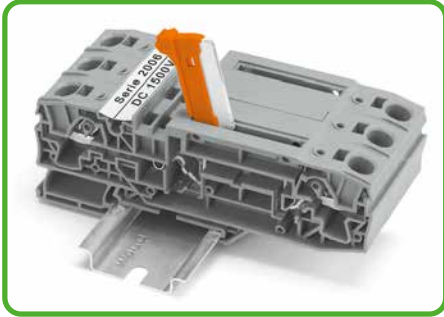


Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor disconnect terminal block for test and measurement, with test point, orange disconnect link		2-conductor carrier terminal block, with test point		2-conductor through terminal block, with test point, same profile as 2-conductor disconnect terminal block	
○ gray	2006-8671	12	○ gray	2006-8661	12
● blue	2006-8674	12	● blue	2006-8664	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)	WMB Multi marking system,  10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm plain 793-501 5
Protective warning marker, ④ with high-voltage symbol, black, for 5 terminal blocks  yellow 2006-115 100 (4x25)	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
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)	Marking strip, plain,  11 mm wide, 50 m roll white 2009-110 1
Lockout cap, for conductor entry hole and operating slot  gray 2006-191 25	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

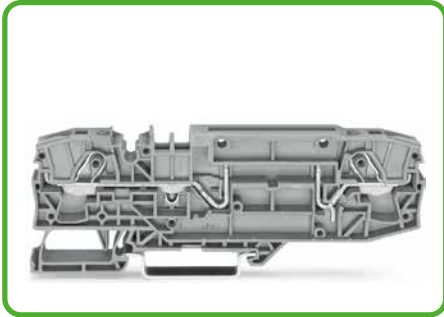
Both 2006-8671 and 2006-8661 TOPJOB® S disconnect terminal blocks have been specially designed for use in photovoltaic and wind power systems, where voltages exceeding 1,000 V (IEC) and 600 V (UL) are required (e.g., generator junction boxes).

- 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

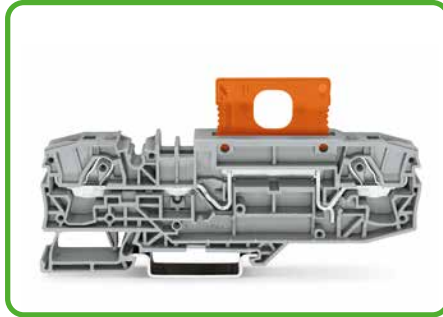
- 1 Conductor sizes: 0.5 mm² - 10 mm² "s + f-st";
Push-in conductor sizes: 1 mm² - 10 mm² "s" and 1.5 mm² - 6 mm² "insulated ferrule, 12 mm"

- 2 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)

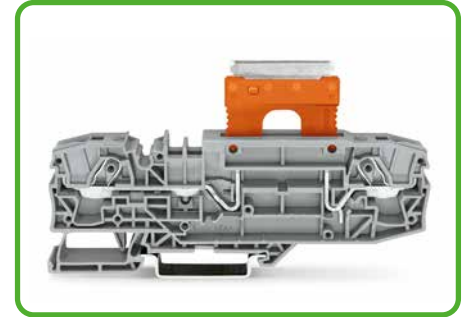
- 3 Strip length, see packaging or instructions.
- 4 Protective warning marker must be applied individually.



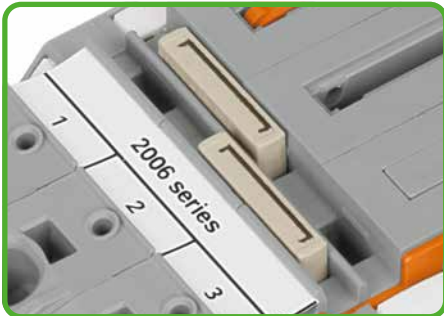
Carrier terminal block (2006-8661) with receptacle for orange disconnect plug



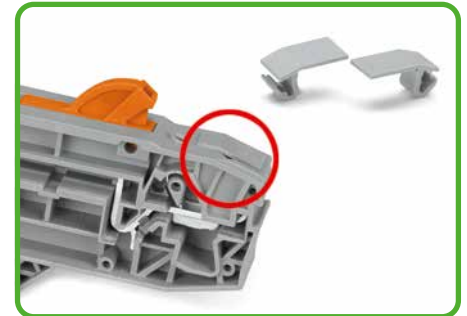
Orange disconnect plug (2006-8401) in operating position



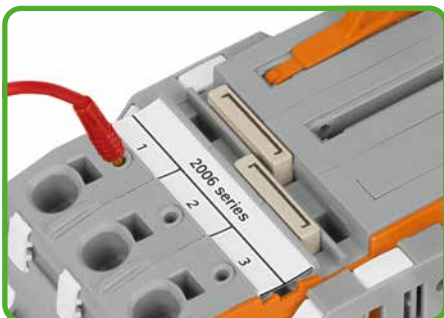
Orange disconnect plug (2006-8401) in parked position



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.



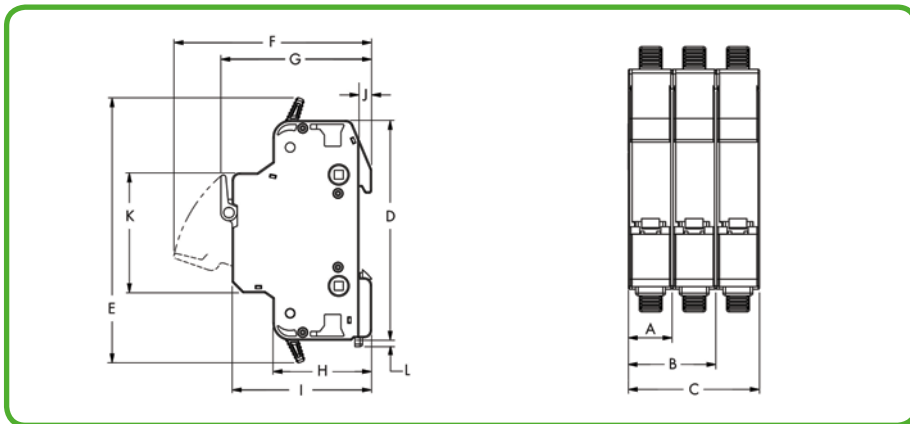
Alternatively, measurement can also be performed using TOPJOB® S connectors (2006-511) from terminal block 1 to 2. Spacer modules (2006-549) must be used to compensate for the 15 mm terminal block width.

Fuse Terminal Blocks for Class CC and 10 x 38 mm (1 3/32" x 1 1/2") Fuses 811 Series

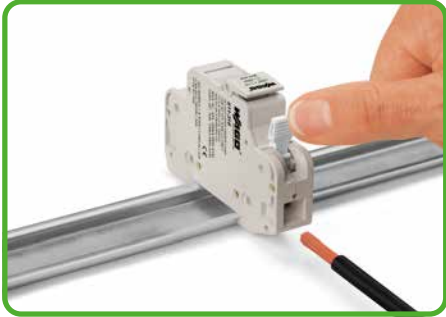
2.5 - 16 mm ² 1000 VDC, 32 A	AWG 16 - 6 1000 VDC, 30 A [Ⓢ]	2.5 - 16 mm ² 690 VAC, 32 A 1000 VDC, 32 A	AWG 16 - 6 600 VAC, 30 A [Ⓢ] 750 VAC, 30 A [Ⓢ] 1000 VDC, 30 A [Ⓢ]	2.5 - 16 mm ² -	AWG 16 - 6 600 V, 30 A [Ⓢ] 600 V, 30 A [Ⓢ]
Terminal block width 17.5 mm / 0.689 in 12 - 13 mm / 0.49 in		Terminal block width 17.5 mm / 0.689 in 12 - 13 mm / 0.49 in		Terminal block width 17.5 mm / 0.689 in 12 - 13 mm / 0.49 in	



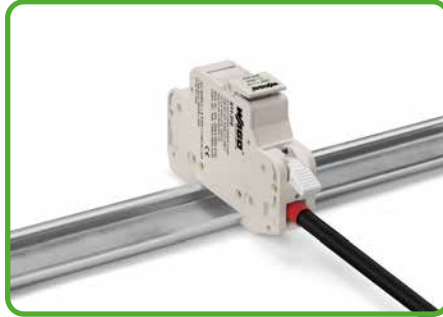
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Fuse terminal block for cylindrical fuses 10 x 38 mm; 1 3/32" x 1 1/2", for photovoltaic applications, light gray, without blown fuse indication, suitable for DIN 35 rail acc. to EN 60715		Fuse terminal block for 10 x 38 mm; 1 3/32" x 1 1/2", light gray, without blown fuse indication, suitable for DIN 35 rail acc. to EN 60715		Fuse terminal block for class CC fuses, light gray, without blown fuse indication, suitable for DIN 35 rail acc. to EN 60715	
○ 1-pole 811-316	12	○ 1-pole 811-310	12	○ 1-pole 811-410	12
		○ 2-pole 811-320	6	○ 2-pole 811-420	6
		○ 3-pole 811-330	4	○ 3-pole 811-430	4
Fuse terminal block for cylindrical fuses 10 x 38 mm; 1 3/32" x 1 1/2", for photovoltaic applications, light gray, with blown fuse indication, 230 - 1000 VDC, suitable for DIN 35 rail acc. to EN 60715		Fuse terminal block for 10 x 38 mm; 1 3/32" x 1 1/2", light gray, with blown fuse indication, 90 - 600 VAC, 115 - 600 VDC, suitable for DIN 35 rail acc. to EN 60715		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 811-317	12	○ 1-pole 811-311	12	○ 1-pole 811-411	12
		○ 2-pole 811-321	6	○ 2-pole 811-421	6
		○ 3-pole 811-331	4	○ 3-pole 811-431	4
		Fuse terminal block for 10 x 38 mm; 1 3/32" x 1 1/2", light gray, with blown fuse indication, 24 VDC, suitable for DIN 35 rail acc. to EN 60715		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 811-314		○ 1-pole 811-414	
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.		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.		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)
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Test plug,

	with 500 mm cable, 2 mm Ø		
	red	210-136	50


Coupling kit for 12 poles

		811-612	1
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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,

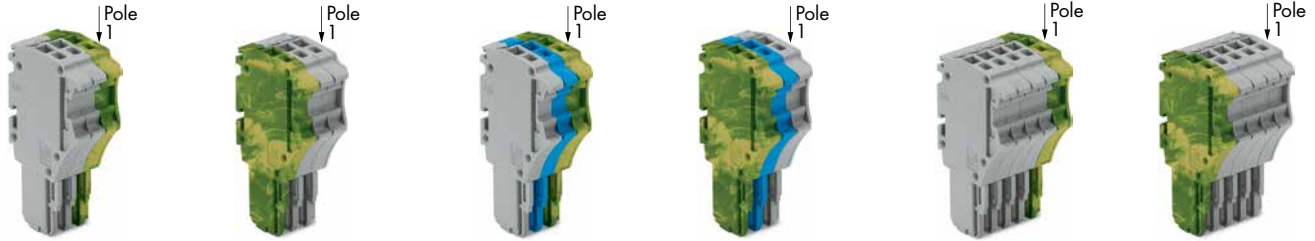
	gray		
	6 mm/0.236"	249-116	100 (4x25)
	10 mm/0.394"	249-117	50 (2x25)

Twin ferrules, insulated, L1 = 12 mm,

	sleeve for 2 x 2.5 mm ² / AWG 14		
	blue	216-545	100
	sleeve for 2 x 4 mm ² / AWG 12		
	gray	216-546	100
	sleeve for 2 x 6 mm ² / AWG 10		
	yellow	216-547	100

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

<p>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</p>	<p>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</p>	<p>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</p>
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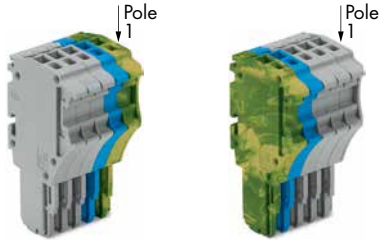


Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
1-conductor female plug with ground base module (green-yellow), for insertion into carrier terminal blocks, with coding fingers			1-conductor female plug with ground base module (green-yellow), for insertion into carrier terminal blocks, with coding fingers			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	3	2020-103/000-038	50	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			1-conductor female plug with ground end module (green-yellow), for insertion into carrier terminal blocks, with coding fingers			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	3	2020-103/000-039	50	5	2020-105/000-037	50
For other lengths up to maximum 15 poles, please contact factory.			For other lengths up to maximum 15 poles, please contact factory.			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)

<p>Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 2000-115 100 (4x25)</p>		
<p>Locking lever, 9.6 mm wide orange 2022-152 100 (4x25) gray 2022-151 100 (4x25)</p>		
<p>Locking lever, 4.8 mm wide orange 2022-142 100 (4x25) gray 2022-141 100 (4x25)</p>		
<p>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)</p>		
<p>WMB Multi marking system, 10 strips with 10 markers per card, for 3.5 mm terminal block width plain 793-3501 5</p>		
<p>Marking strip, plain, 11 mm wide, 50 m roll white 2009-110 1</p>		

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**

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.

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.		

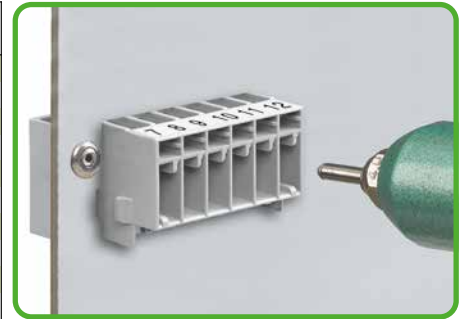
X-COM®-SYSTEM Male Headers with Solder Pins and Rivet Fixing Flanges Pin Spacing 5 mm

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

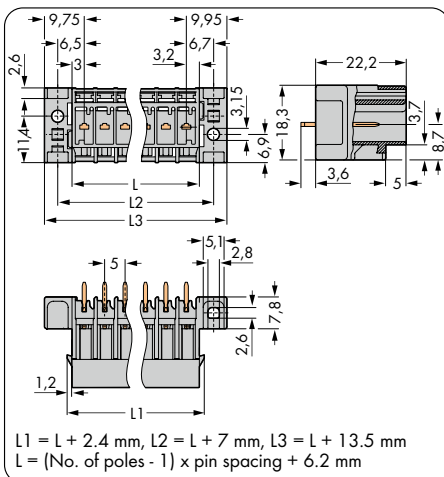


- ❶ 250 V/500 V = rated voltage
 4 kV = rated surge voltage
 3/2 = pollution degree
 (see Full Line Catalog, Volume 1, Section 14)
- ❷ See current-carrying capacity curve at www.wago.com

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
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)



Mounting with 3 mm Ø blind rivets

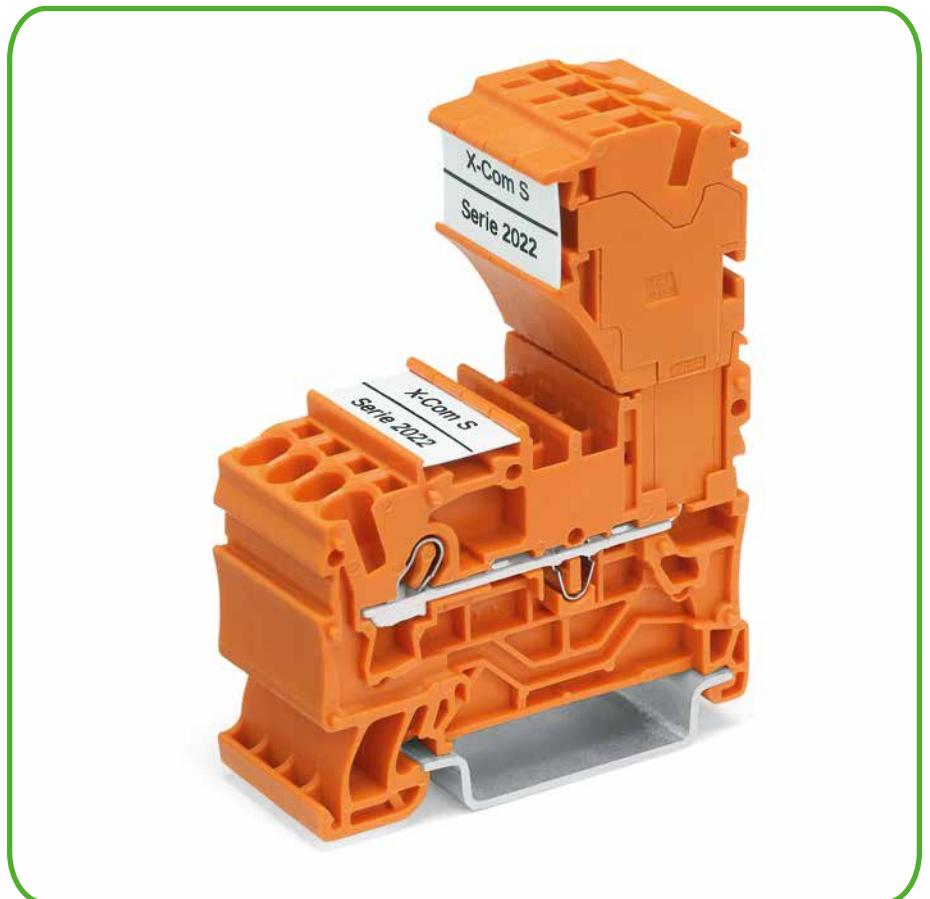


Dimensions in mm

Orange Version

Technical Data see Full Line Catalog, Volume 1




1-Conductor/1-Pin Carrier Terminal Blocks 2022-1202	Page 394
2-Conductor/1-Pin-Carrier Terminal Blocks 2022-1302	Page 396
2-Conductor/2-Pin-Carrier Terminal Blocks 2022-1402	Page 396
and	
Female Plugs for Self-Assembly	Page 402
1-Conductor End Module 2022-182	
1-Conductor Center Module 2022-172	
1-Conductor Base Module 2022-162	
and	
1-Conductor Female Plugs	Page 400
2022-101/000-012	
2022-102/000-012	
2022-103/000-012	
2022-104/000-012	
2022-105/000-012	
2022-106/000-012	
2022-107/000-012	
2022-108/000-012	
2022-109/000-012	
2022-110/000-012	
2022-111/000-012	
2022-112/000-012	
2022-113/000-012	
2022-114/000-012	
2022-115/000-012	

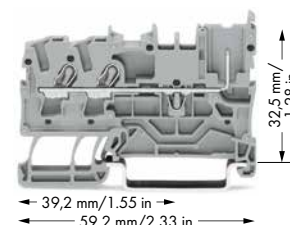
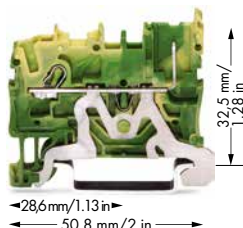
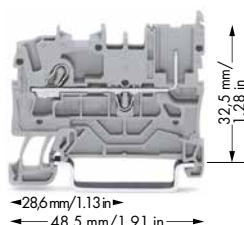


X-COM® S-SYSTEM

2-Conductor/1-Pin; 2-Conductor/1-Pin and 2-Conductor/2-Pin Carrier Terminal Blocks for Ex Applications, 2022 Series



0.25 - 2.5 (4) mm ² ① AWG 22 - 12 630 V ② I _N 20 A Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ③	0.25 - 2.5 (4) mm ² ① AWG 22 - 12 Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ③	0.25 - 2.5 (4) mm ² ① AWG 22 - 12 630 V ② I _N 20 A Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ③
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


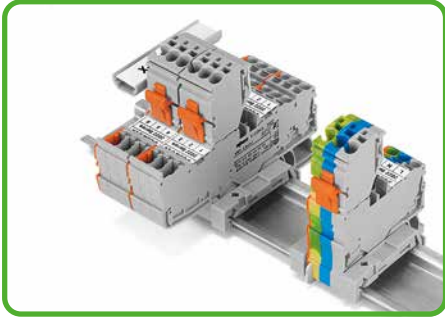
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
1-conductor/1-pin carrier terminal block, for DIN 35 rail, acc. to EN 60715 ● gray 2022-1201/999-953 100 ● blue 2022-1204/999-953 100		1-conductor/1-pin ground carrier terminal block, for DIN 35 rail, acc. to EN 60715 ● green-yellow 2022-1207/999-953 100		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		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 1 mm thick orange 2022-1292 100 (4x25) gray 2022-1291 100 (4x25)		End and intermediate plate, 1 mm thick orange 2022-1292 100 (4x25) gray 2022-1291 100 (4x25)		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 mm ² light gray 2002-171 200 (8x25)	Staggered jumper, ④ 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)	Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 2002-115 100 (4x25)
Insulation stop, 5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)	Push-in type jumper bar, insulated, ④ 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)	WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5
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, ④ insulated, I _N 16 A, wire size 1.5 mm ² 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, 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
	Carrier with 6 coding pins, for coding female plugs orange 2022-100 100 (4x25)	WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white 2009-115 1
	Test pin, 1 mm Ø 859-500 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



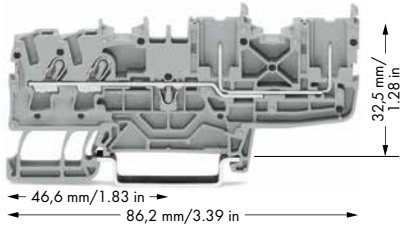
Each female plug is supplied with a locking lever.

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"

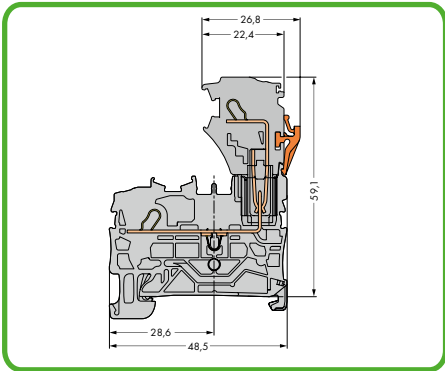
❷ 630 V = rated voltage
 (see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

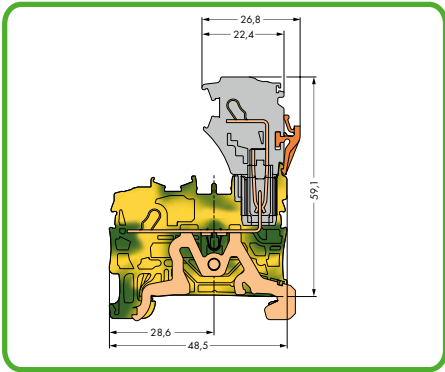
❹ See application notes in Full Line Catalog, Volume 1, for:
 Colored push-in type jumper bars, page 139
 Staggered jumper, page 141
 Push-in type wire jumper, page 140
 Marker carrier, page 145



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)













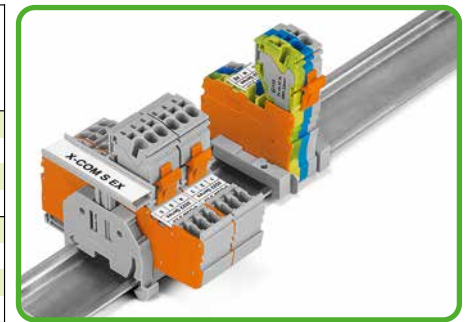
Carrier terminal block



Ground carrier terminal block

- 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
(see Full Line Catalog, Volume 1, Section 14)
- ❸ mit Doppelstock-Vertikalbrücker 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)	Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 2002-115 100 (4x25)
Insulation stop,  5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)	Double-deck marker carrier,  pivoting gray 2002-121 50 (2x25)
Insulation stop,  5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)	WMB Multi marking system,  10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5
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)	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
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)	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
Double-deck vertical jumper, insulated, I _N 24 A light gray 2002-492 100 (4x25)	
Carrier with 6 coding pins,  for coding female plugs orange 2022-100 100 (4x25)	
Test pin,  1 mm Ø 859-500 1	




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

X-COM® S-SYSTEM








1-Conductor Female Plugs for Ex Applications

2022 Series

0.25 - 2.5 (4) mm² ① AWG 22 - 12
 630 V ②
 I_N 20 A
 Module width 5.2 mm / 0.205 in
 10 - 12 mm / 0.43 in ③

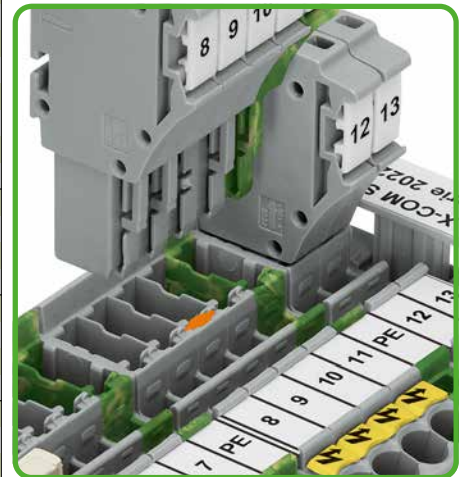


- ① Conductor sizes: 0.25 mm² - 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² - 4 mm² "s" and 0.75 mm² - 2.5 mm² "insulated ferrule, 12 mm"
- ② 630 V = rated voltage
- ③ (see Full Line Catalog, Volume 1, Section 14)
- ④ Strip length, see packaging or instructions.

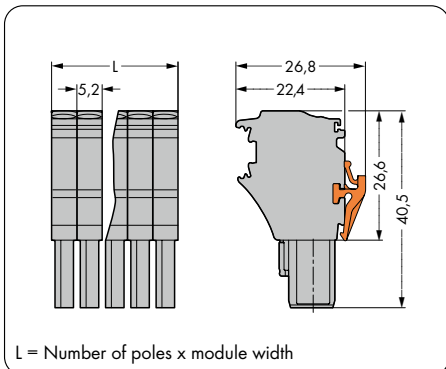
Pole No.	Item No.	Pack. Unit	Accessories
1-conductor female plug with shorter locking lever, for insertion into carrier terminal blocks, with coding fingers, gray According to EN 61984, connectors without current interrupting capacity shall not be mated and unmated when live or under load.			Appropriate marking system: (see Full Line Catalog, Volume 1, Section 13)
② 2 2022-102/999-953 200 ③ 3 2022-103/999-953 100 ④ 4 2022-104/999-953 100 ⑤ 5 2022-105/999-953 50 ⑥ 6 2022-106/999-953 50 ⑦ 7 2022-107/999-953 50 ⑧ 8 2022-108/999-953 50			Insulation stop,  5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)
			Insulation stop,  5 pcs/strip, 0.75 - 1 mm ² 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.




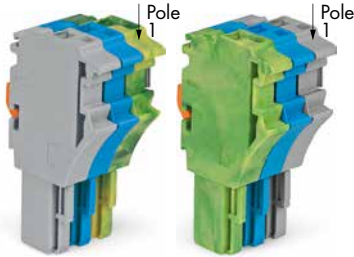
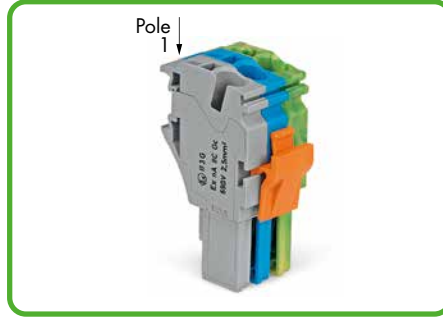
Dimensions in mm

X-COM® S-SYSTEM

Pre-Assembled Female Plugs for Ex 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
- 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

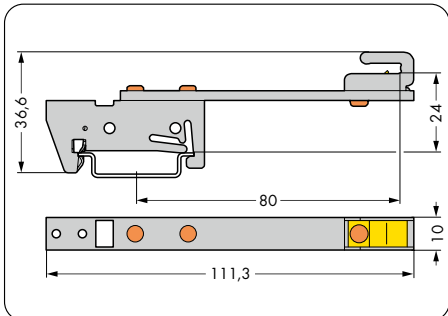
Appropriate marking systems: WMB/Marking strips/WMB Inline
 (see Full Line Catalog, Volume 1, Section 13)

Insulation stop,  5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)	WMB Multi marking system,  10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5
Insulation stop,  5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)	WMB Inline, plain,  stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white 2009-115 1
Protective warning marker,  with high-voltage symbol, black, for 5 terminal blocks yellow 2002-115 100 (4x25)	Marking strip, plain,  11 mm wide, 50 m roll white 2009-110 1
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)	

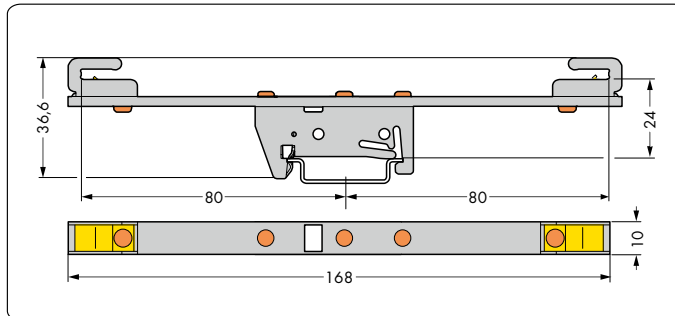
Busbar carrier	Busbar carrier
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Item No.	Pack. Unit	Item No.	Pack. Unit
Busbar carrier, straight on one side, for busbars Cu 10 mm x 3 mm		Busbar carrier, angled on both sides, for busbars Cu 10 mm x 3 mm	
790-302	10	790-312	10



Dimensions in mm



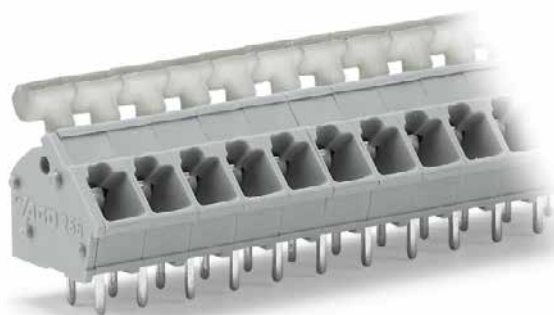
Dimensions in mm

	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
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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 mm ² 2273-202	100	2 x 0.5 - 2.5 mm ² 2273-202	100
	3 x 0.5 - 2.5 mm ² 2273-203	100	3 x 0.5 - 2.5 mm ² 2273-203	100
	5 x 0.5 - 2.5 mm ² 2273-205	100	5 x 0.5 - 2.5 mm ² 2273-205	100
	8 x 0.5 - 2.5 mm ² 2273-208	50	8 x 0.5 - 2.5 mm ² 2273-208	50
	Compact splicing connectors		Compact splicing connectors	
	3 x 0.08 - 4 mm ² 222-413	50	3 x 0.08 - 4 mm ² 222-413	50
	5 x 0.08 - 4 mm ² 222-415	40	5 x 0.08 - 4 mm ² 222-415	40
	Lighting connectors		Lighting connectors	
	1 - 2.5 mm ² 224-101	100	1 - 2.5 mm ² 224-101	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





Contents

Volume 2



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

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SMD Terminal Blocks with Push-Buttons
0.75 mm², 8 mm Pin Spacing, Light Gray

2060 48 – 49



THR Terminal Blocks with Push-Buttons
0.75 mm², 4 mm Pin Spacing, Light Gray and Black

2060 50 – 51



THR Terminal Blocks with Push-Buttons
0.75 mm², 8 mm Pin Spacing, Light Gray and Black

2060 52 – 53



Connecting Link for SMD Terminal Blocks
with Push-Buttons, 4 mm Pin Spacing

2060 54 – 55



SMD Terminal Blocks with Push-Buttons
1.5 mm², 6 mm Pin Spacing, White and Black

2061 56 – 57



Operating Tool for 2060 and 2061 Series

206 58



THR Terminal Strips with Push-Buttons
3.5 mm Pin Spacing, Tape-and-Reel Packaging

805 60 – 61



PCB Terminal Strips with Push-Buttons
3.5 mm Pin Spacing

805 62 – 63



PCB Terminal Strips with Push-Buttons
2.5 mm Pin Spacing

250 64 – 65



Modular PCB Terminal Blocks and Strips with Angled Push-Buttons
Pin Spacing: 5/5.08 mm, 7.5/7.62 mm, 10/10.16 mm

256 66 – 68

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



- SMD terminal blocks with CAGE CLAMP® S and push-buttons
- Push-in termination of rigid, solid conductors and fine-stranded conductors with ferrules
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 4.5 mm high
- Available in tape-and-reel packaging for automated assembly
- For light gray versions, see Full Line Catalog, Volume 2, page 118.

Technical data:

Pin spacing	4 mm 0.157 in		
Ratings per	IEC/EN 60664-1		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	63 VDC	160 VDC	320 VDC
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 VDC		
Rated voltage, 2 or more poles	250 VDC		
Nominal current UL	9 A		

Conductor data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.2 - 0.75 mm ²
Conductor size: fine-stranded	0.2 - 0.75 mm ²
Conductor size: fine-stranded	0.25 - 0.34 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 0.34 mm ² (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

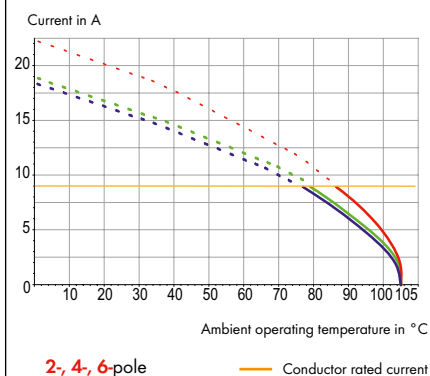
Application note:

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), it is recommended that trial runs are conducted 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.

Current Carrying Capacity Curve

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

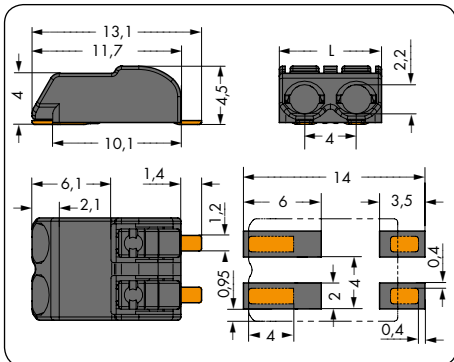


Accessories for 2060 Series:

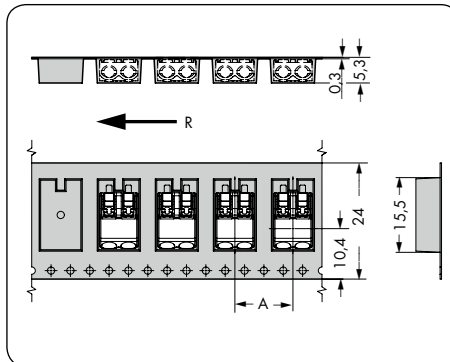
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Operating tool (206-860)	58

<p>Pin spacing: 4 mm / 0.157 in</p>	
<p>0.2 - 0.75 mm² 160 V/2.5 kV/2 9 A</p>	<p>AWG 24 - 18</p>

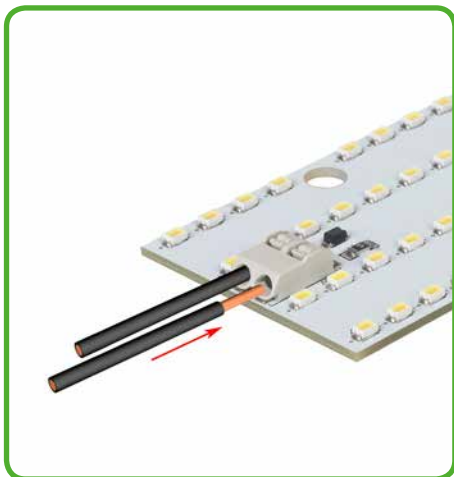


L = (pole no. x pin spacing) - 0.1 mm



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

Pole No.	Item No.	Pack. Unit/ Pieces per Reel
SMD terminal blocks with push-buttons in tape-and-reel packaging, black		
1	2060-421/998-404	1500
2	2060-422/998-404	1000
3	2060-423/998-404	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 rigid, solid conductors and fine-stranded conductors with ferrules
- 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		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 VDC	630 VDC	1000 VDC
Rated surge voltage	6 kV	6 kV	6 kV
Nominal current	9 A	9 A	9 A
Approvals per	UL 1977		
Rated voltage	600 VDC		
Nominal current UL	9 A		

Conductor data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.2 - 0.75 mm ²
Conductor size: fine-stranded	0.2 - 0.75 mm ²
Conductor size: fine-stranded	0.25 - 0.34 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 0.34 mm ² (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

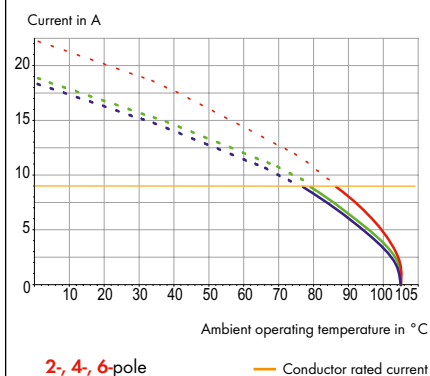
Application note:

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), it is recommended that trial runs are conducted 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.

Current Carrying Capacity Curve

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

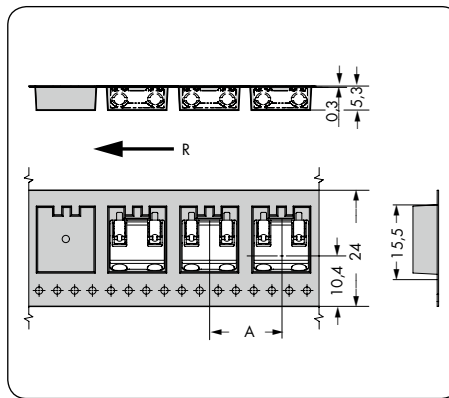
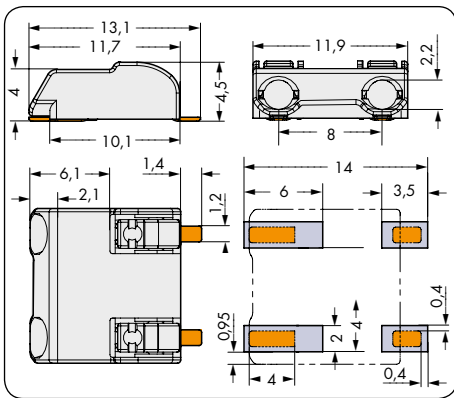


Accessories for 2060 Series:

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



R = Feed direction
A = 16 mm

Pole No.	Item No.	Pack. Unit/ Pieces per Reel
SMD terminal blocks with push-buttons in tape-and-reel packaging, light gray*		
2	2060-802/998-404	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).

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 rigid, solid conductors and fine-stranded conductors with ferrules
- 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		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	63 VDC	160 VDC	320 VDC
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 mm ²
Conductor size: fine-stranded	0.2 - 0.75 mm ²
Conductor size: fine-stranded	0.25 - 0.34 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 0.34 mm ² (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

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

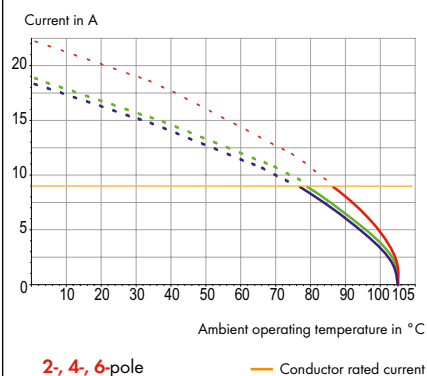
Application note:

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), it is recommended that trial runs are conducted 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.

Current Carrying Capacity Curve

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

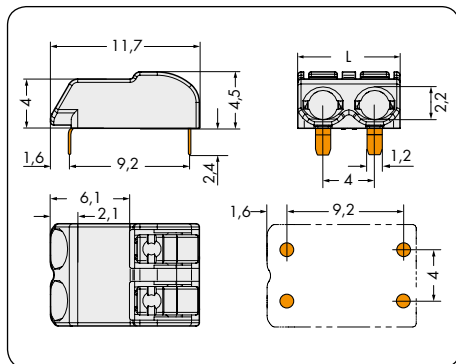


Accessories for 2060 Series:

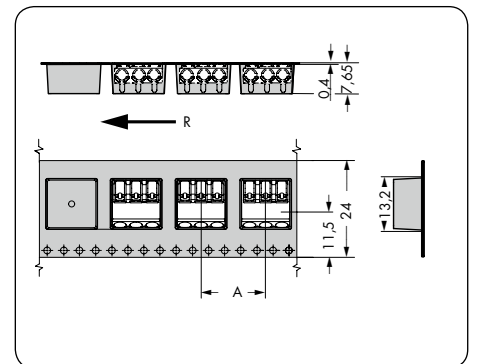
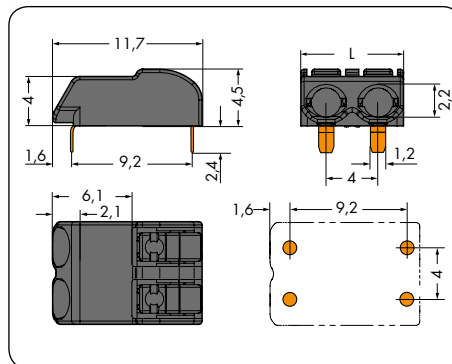
Page:

Operating tool (206-860)	58

Pin spacing: 4 mm / 0.157 in light gray		Pin spacing: 4 mm / 0.157 in black		
0.2 - 0.75 mm ²	AWG 24 - 18	0.2 - 0.75 mm ²	AWG 24 - 18	
160 V/2.5 kV/2 9 A		160 V/2.5 kV/2 9 A		

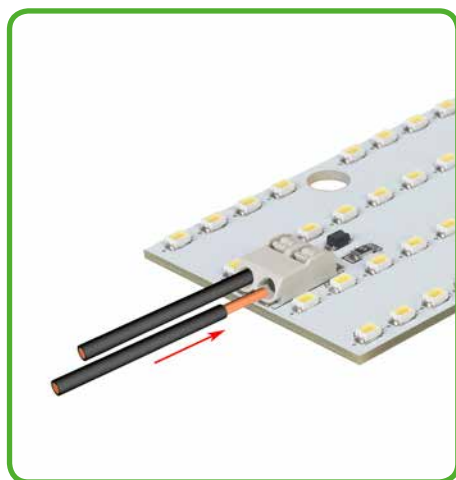


L = (pole no. x pin spacing) - 0.1 mm

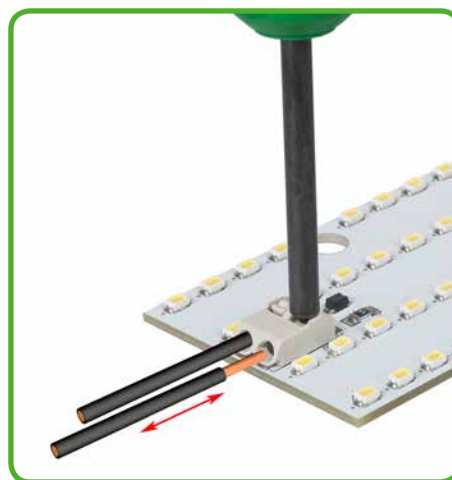


R = Feed direction
A = (pole no. x pin spacing) + 4 mm

Pole No.	Item No.	Pack. Unit/ Pieces per Reel	Pole No.	Item No.	Pack. Unit/ Pieces per Reel
THR terminal blocks with push-buttons in tape-and-reel packaging, light gray*			THR terminal blocks with push-buttons in tape-and-reel packaging, black		
1	2060-1401/998-404	1200	1	2060-1421/998-404	1200
2	2060-1402/998-404	750	2	2060-1422/998-404	750
3	2060-1403/998-404	550	3	2060-1423/998-404	550
Reel diameter: 330 mm			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.

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 rigid, solid conductors and fine-stranded conductors with ferrules
- 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		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 VDC	630 VDC	1000 VDC
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 mm ²
Conductor size: fine-stranded	0.2 - 0.75 mm ²
Conductor size: fine-stranded	0.25 - 0.34 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 0.34 mm ² (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

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

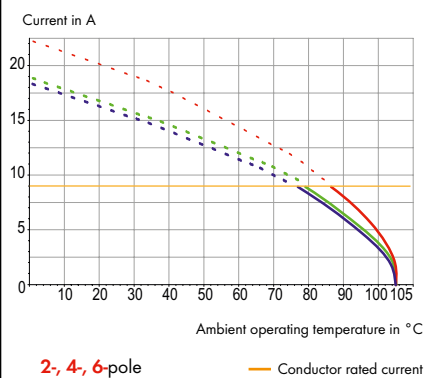
Application note:

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), it is recommended that trial runs are conducted 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.

Current Carrying Capacity Curve

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

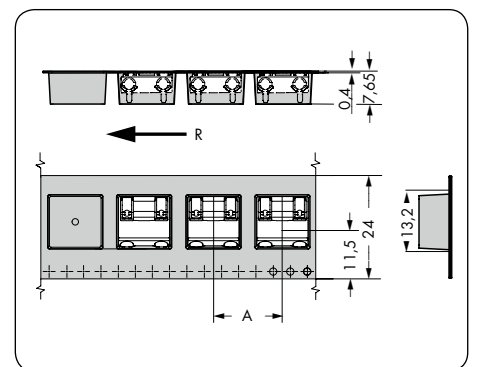
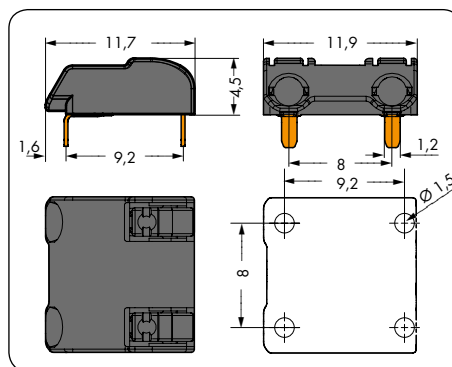
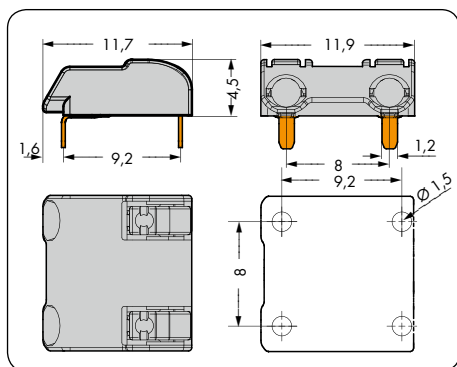
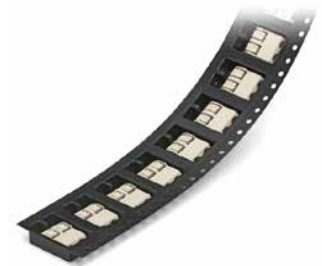


Accessories for 2060 Series:

Page:

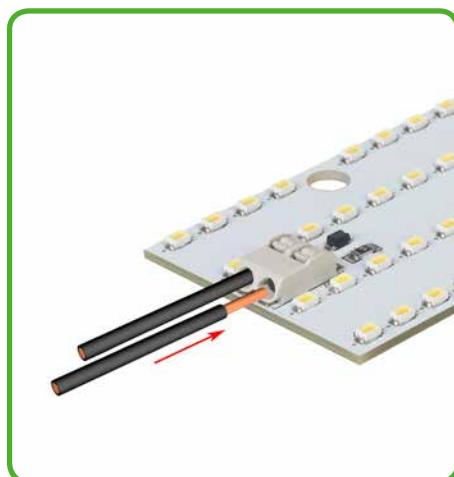
Operating tool (206-860)	58

Pin spacing: 8 mm / 0/314 in light gray		Pin spacing: 8 mm / 0/314 in black	
0.2 - 0.75 mm ²	AWG 24 - 18	0.2 - 0.75 mm ²	AWG 24 - 18
630 V/6 kV/2 9 A		630 V/6 kV/2 9 A	

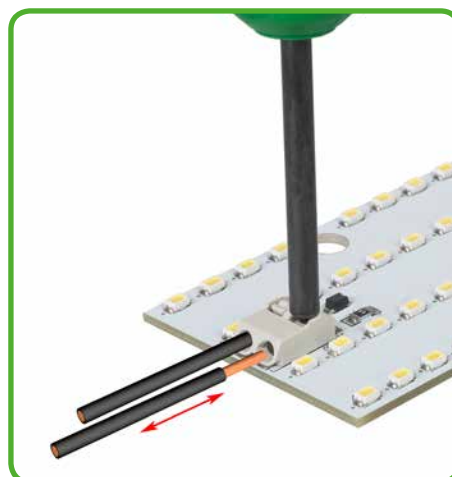


R = Feed direction
A = 16 mm

Pole No.	Item No.	Pack. Unit/ Pieces per Reel	Pole No.	Item No.	Pack. Unit/ Pieces per Reel
THR terminal blocks with push-buttons in tape-and-reel packaging, light gray*			THR terminal blocks with push-buttons in tape-and-reel packaging, black		
2	2060-1802/998-404	1200	2	2060-1822/998-404	1200
Reel diameter: 330 mm			Reel diameter: 330 mm		

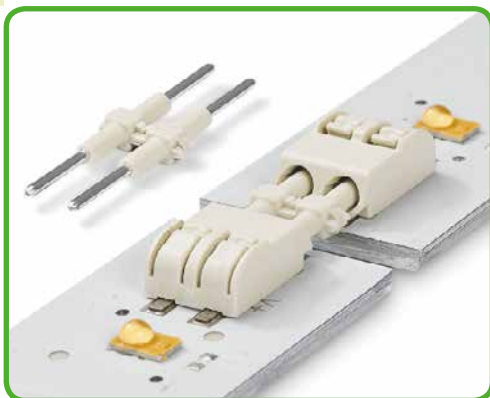


Inserting solid conductors via push-in termination.



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

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:

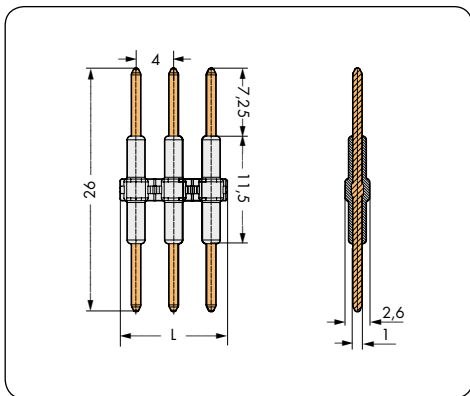
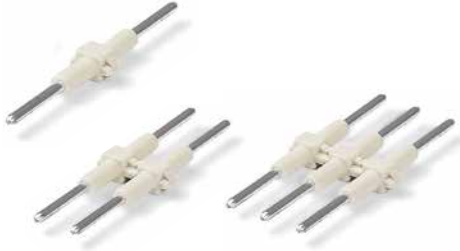
Pin spacing	4 mm 0.157 in				
Ratings per	IEC/EN 60664-1				
Overvoltage category	III	III	II		
Pollution degree	3	2	2		
Rated voltage	63 VDC	160 VDC	320 VDC		
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV		
Nominal current	9 A	9 A	9 A		
Approvals per	UL/CSA				
Rated voltage	250 VDC				
Nominal current UL	9 A				

Material data:

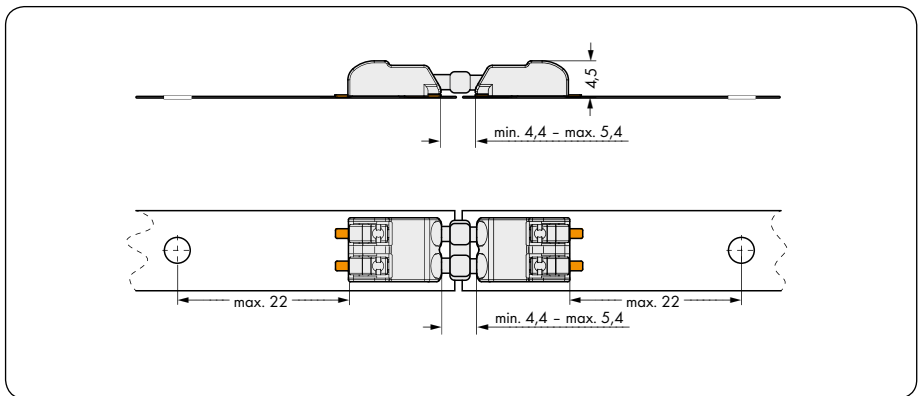
Material group	I
Insulation material	Polyamide 6.6 (PA 6.6)
Flammability rating per UL 94	V0.
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Silver-plated

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

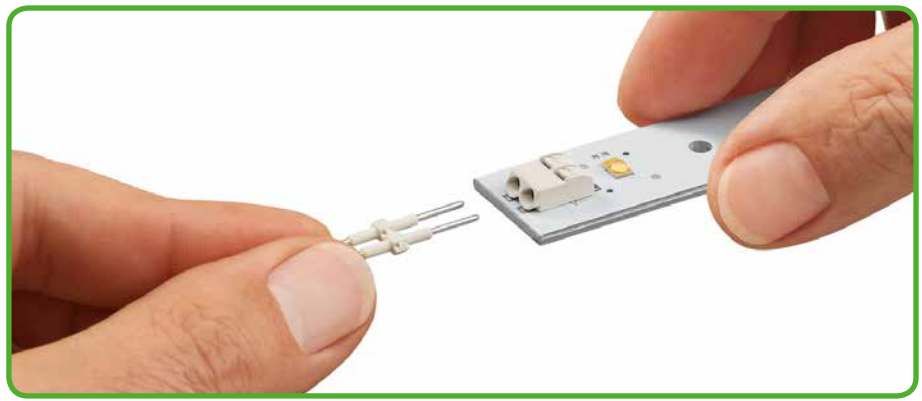
Pin spacing: 4 mm / 0.157 in	
160 V/2.5 kV/2 9 A	250 V/9 A



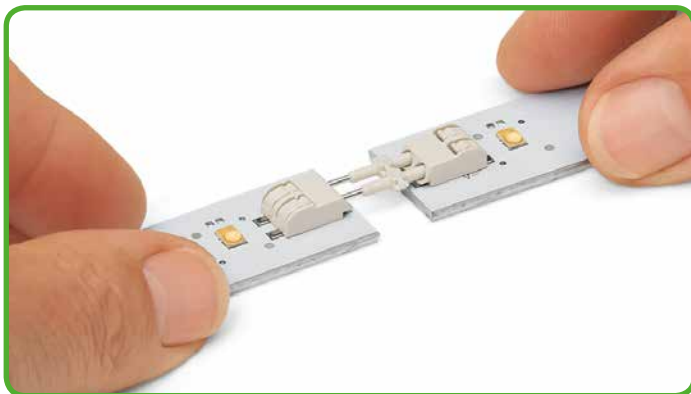
L = (pole no. x pin spacing) - 0.6 mm



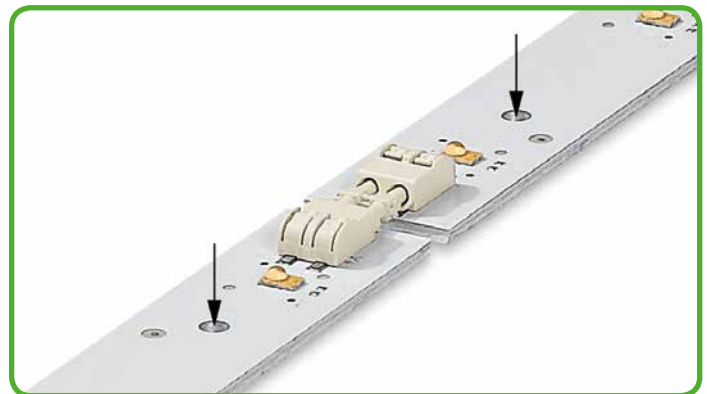
Pole No.	Item No.	Pack. Unit
Board-to-board link for SMD terminal blocks with push-buttons		
1	2060-901	
2	2060-902	
3	2060-903	



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).

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
- Height of just 5.6 mm minimizes on-board LED shadowing
- Simple push-in termination for solid conductors
- 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
Pollution degree	3	2	2
Rated voltage	250 VDC	320 VDC	630 VDC
Rated surge voltage	4 kV	4 kV	4 kV
Nominal current	12 A	12 A	12 A
Approvals per	UL		
Use group UL 1059	B	C	D
Rated voltage, 1-pole	600 VDC	-	600 VDC
Rated voltage, 2 or more poles	300 V	-	300 V
Nominal current UL	10 A	-	10 A

Conductor data:

Connection technology	CAGE CLAMP®S
Conductor size: solid	0.5 - 1.5 mm ²
Conductor size: fine-stranded	0.5 - 1.5 mm ²
AWG	20 - 16
Strip length	6 - 8 mm / 0.24 - 0.31 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

Accessories for 2061 Series

Page:

Operating tool (206-861)	58

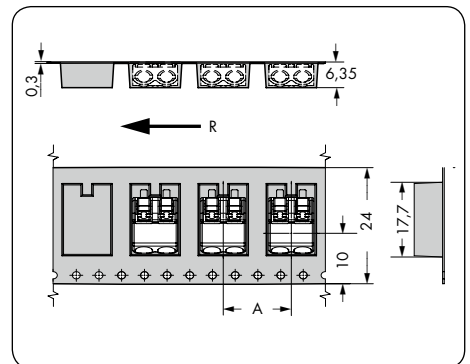
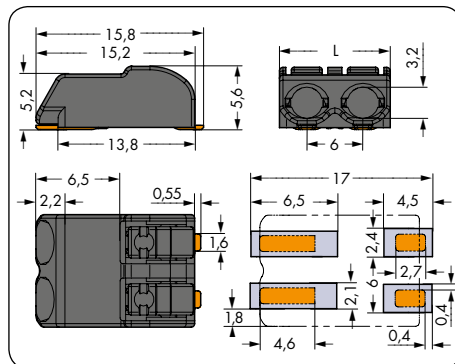
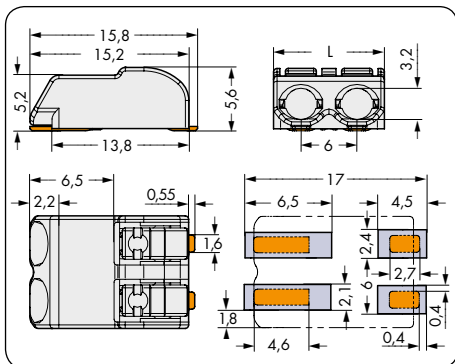
Application note:

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), it is recommended that trial runs are conducted 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

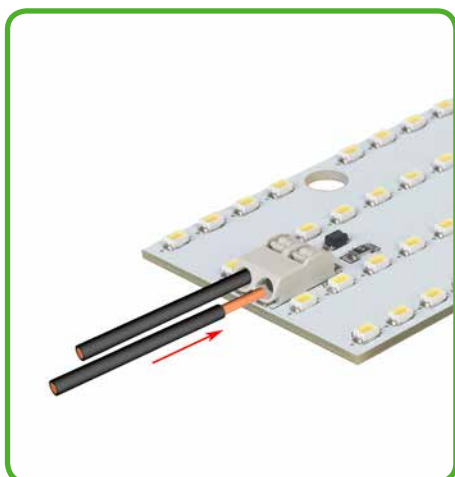
Pin spacing: 6 mm / 0/24 in white		Pin spacing: 6 mm / 0/24 in black	
0.5 - 1.5 mm ²	AWG 20 - 16	0.5 - 1.5 mm ²	AWG 20 - 16
320 V/4 kV/2 12 A		320 V/4 kV/2 12 A	



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/ Pieces per Reel	Pole No.	Item No.	Pack. Unit/ Pieces per Reel
SMD terminal blocks with push-buttons in tape-and-reel packaging, white*			SMD terminal blocks with push-buttons in tape-and-reel packaging, black		
1	2061-601/998-404	1000	1	2061-621/998-404	1000
2	2061-602/998-404	600	2	2061-622/998-404	600
3	2061-603/998-404	450	3	2061-623/998-404	450
Reel diameter: 330 mm			Reel diameter: 330 mm		



Inserting solid conductors via push-in termination.



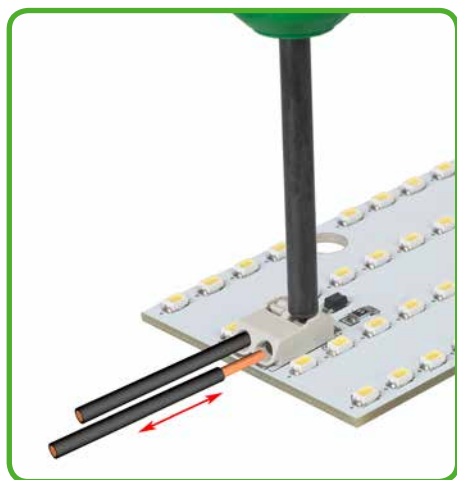
Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-861 operating tool).

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

Operating Tool for 2060 Series	Operating Tool for 2061 Series	
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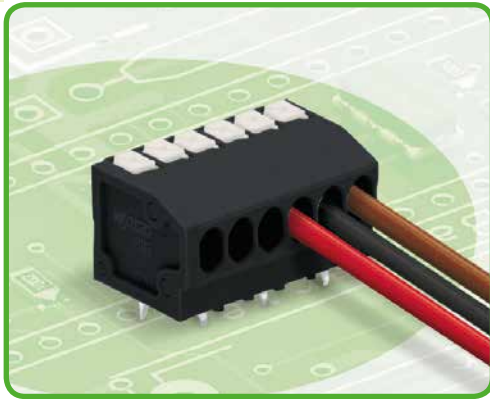
Item No.	Pack. Unit	Item No.	Pack. Unit
Operating tool, suitable for 2060 Series		Operating tool, suitable for 2061 Series	
206-860	5	206-861	5



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



THR* Terminal Strips with Push-Buttons, 1.5 mm² 3.5 mm Pin Spacing 805 Series



- Terminal strips with push-button actuated CAGE CLAMP® S
- Simple, push-in terminations of solid and ferruled conductors
- Push-buttons that close flush with minimal force for convenient termination/removal of fine-stranded conductors
- Convenient, tool-free operation

Technical data:

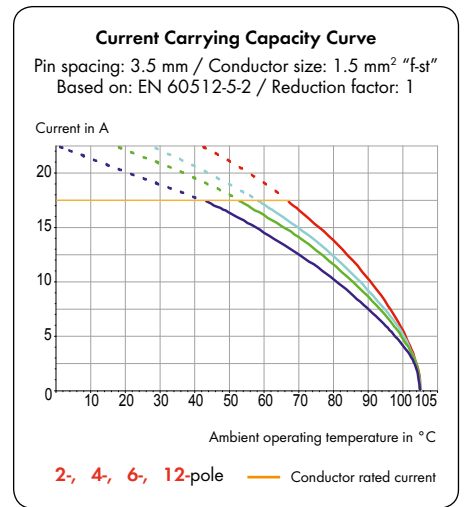
Pin spacing	3.5 mm 0.138 in		
Ratings per	IEC/EN 60664-1		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	200 V	320 VDC	320 VDC
Rated surge voltage	4 kV	4 kV	4 kV
Nominal current	17.5 A	17.5 A	17.5 A
Approvals per	UL/CSA		
Use group UL 1059	B	C	D
Rated voltage	-	-	-
Nominal current UL	-	-	-
Nominal current CSA	-	-	-

Conductor and solder pin data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.2 - 1.5 mm ²
Conductor size: fine-stranded	0.2 - 1.5 mm ²
Conductor size: fine-stranded	0.25 - 1 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 1 mm ² (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

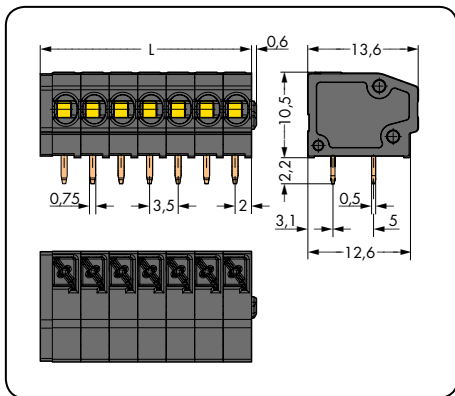


Accessories for 805 Series

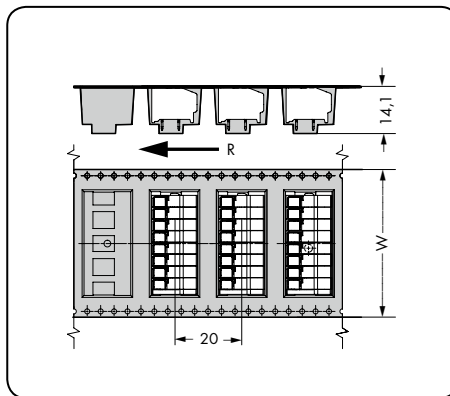
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Test plug	538

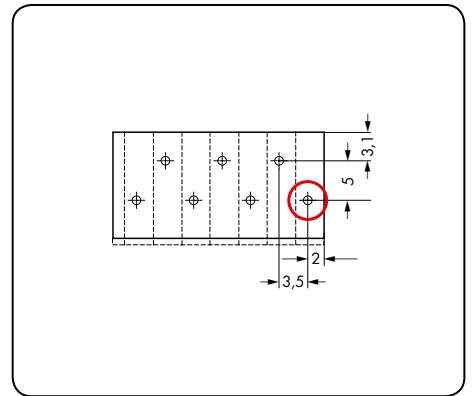
Pin spacing: 3.5 mm / 0.138 in		Terminal strips in tape-and-reel packaging Pin spacing: 3.5 mm / 0.138 in		
0.2 - 1.5 mm ²	AWG 24 - 16	0.2 - 1.5 mm ²	AWG 24 - 16	
320 V/4 kV/2 17.5 A	300 V/10 A	320 V/4 kV/2 17.5 A	300 V/10 A	



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



R = Feed direction
W = Tape width



Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	W
THR terminal strip with push-buttons, black			THR terminal strip 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	805-303/200-604/997-404	24
4	805-304/200-604	300 (4 x 75)	4	805-304/200-604/997-404	32
5	805-305/200-604	260 (4 x 65)	5	805-305/200-604/997-404	32
6	805-306/200-604	220 (4 x 55)	6	805-306/200-604/997-404	44
7	805-307/200-604	180 (4 x 45)	7	805-307/200-604/997-404	44
8	805-308/200-604	160 (4 x 40)	8	805-308/200-604/997-404	44
Reel diameter: 330 mm, 160 pieces per reel					

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



- Terminal strips with push-button actuated CAGE CLAMP® S
- Version with in-line solder pins
- Simple, push-in terminations of solid and ferruled conductors
- Push-buttons that close flush 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:

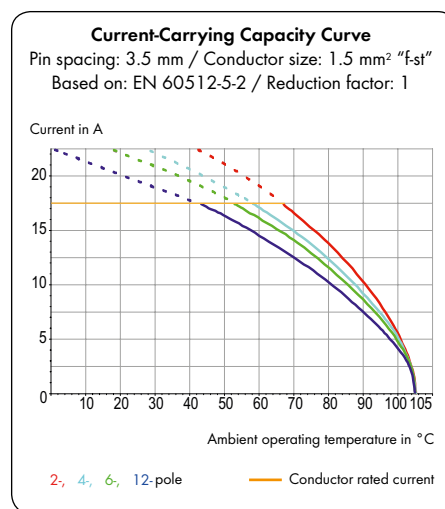
Pin spacing	3.5 mm 0.138 in		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	160 VDC	160 VDC	320 VDC
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Nominal current	17.5 A	17.5 A	17.5 A
Approvals per	UL/CSA		
Use group UL 1059	B	C	D
Rated voltage	-	-	-
Nominal current UL	-	-	-
Nominal current CSA	-	-	-

Conductor and solder pin data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.2 - 1.5 mm ²
Conductor size: fine-stranded	0.2 - 1.5 mm ²
Conductor size: fine-stranded	0.25 - 1 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 1 mm ² (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



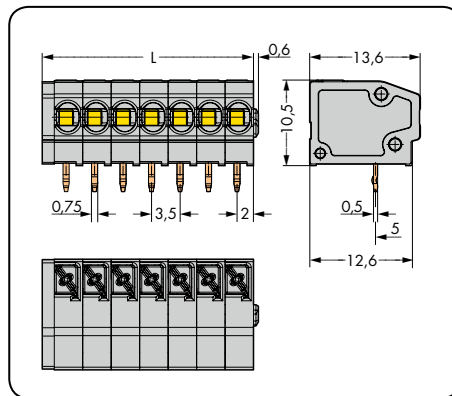
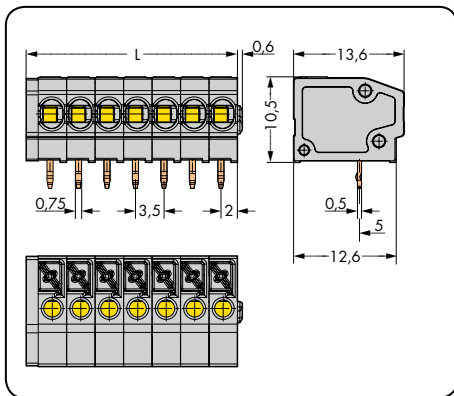
Accessories for 805 Series

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PCB Terminal Strips 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 mm ²	AWG 24 - 16	0.2 - 1.5 mm ²	AWG 24 - 16
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

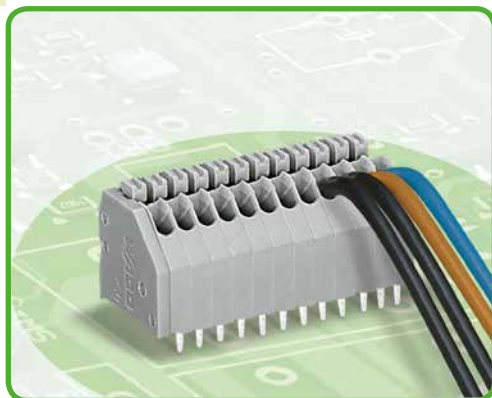
Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
PCB terminal strip with push-buttons, 1 in-line solder pin/pole, front side, test slots for 2 mm Ø test plug, gray			PCB terminal strip with push-buttons 1 in-line solder pin/pole, front side, gray		
2	805-152	600 (4 x 150)	2	805-352	600 (4 x 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. suffix Item no. suffixes for colored terminal strips (production and prices depend on quantity required):

● blue	.../000-006	Ordering example:
● orange	.../000-012	Terminal strip, 3.5 mm pin spacing, 6-pole, blue: 805-356/000-006

For assemblies in other lengths, with in-line solder pins, and other colors or with direct marking, please contact factory.

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



- Compact terminal strips 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
- Terminal strips also available with spacers upon request

Technical data:

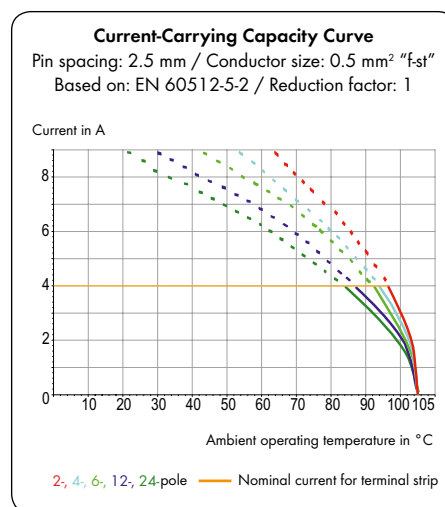
Pin Spacing	2.5 mm 0.098 in		
Ratings per	IEC/EN 60664-1		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	100 V	160 VDC	320 VDC
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Nominal current	4 A	4 A	4 A
Approvals per	UL/CSA		
Use group UL1059	B	C	D
Rated voltage	-	-	-
Nominal current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

Conductor and solder pin data:

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.14 - 0.5 mm ² (0.4 - 0.8 mm Ø)
Conductor size: fine-stranded	0.2 - 0.5 mm ²
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



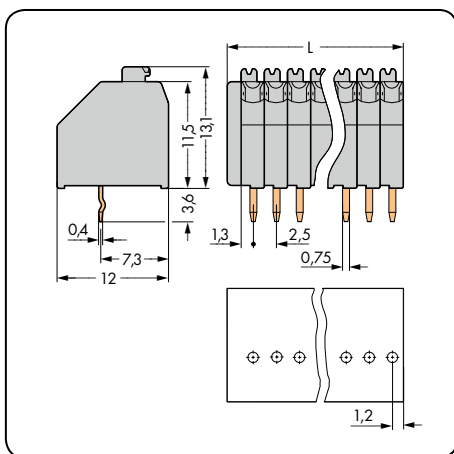
Accessories for 250 Series

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PCB Terminal Strips 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 mm ²	AWG 24 - 20		
160 V/2.5 kV/2 4 A			



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

Pole No.	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
PCB terminal strip with push-buttons 1 in-line solder pin/pole, front side, gray			Item no. suffix for colored terminal strips:		
2	250-302	720 (4 x 180)	● black	...-.../000-004	
3	250-303	520 (4 x 130)	● red	...-.../000-005	
4	250-304	400 (4 x 100)	● blue	...-.../000-006	
5	250-305	340 (4 x 85)	○ light gray	...-.../000-009	
6	250-306	280 (4 x 70)	● orange	...-.../000-012	
7	250-307	240 (4 x 60)	● green	...-.../000-023	
8	250-308	220 (4 x 55)	● violet	...-.../000-024	
9	250-309	200 (4 x 50)	○ white	...-.../000-050	
10	250-310	180 (4 x 45)			
11	250-311	160 (4 x 40)	Ordering example:		
12	250-312	140 (4 x 35)	Terminal strip, 2.5mm pin spacing		
13	250-313	140 (4 x 35)	8-pole, orange: 250-308/000-012		
14	250-314	120 (4 x 30)	(Production and prices depend on quantity required)		
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)			

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

256 Series



- Modular terminal blocks and terminal strips 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:

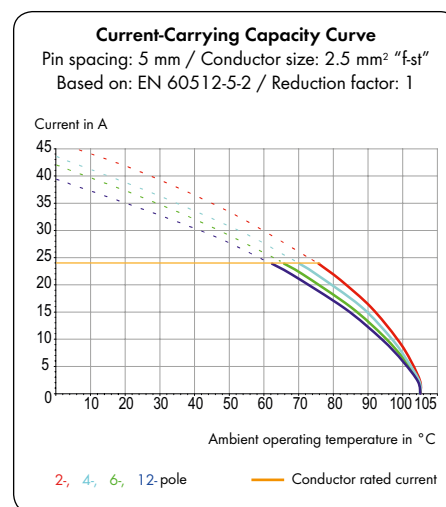
Pin Spacing	5/5.08 mm 0.2 in			7.5/7.62 mm 0.3 in			10/10.16 mm 0.4 in		
	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Ratings per									
Overtoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Rated voltage	250 VDC	320 VDC	630 VDC	320 VDC	320 VDC	630 VDC	500 V	630 VDC	1000 VDC
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

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 - 2.5 mm ²
Conductor size: fine-stranded	0.08 - 2.5 mm ²
Conductor size: fine-stranded	0.25 - 1.5 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 1.5 mm ² (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



Accessories for 256 Series

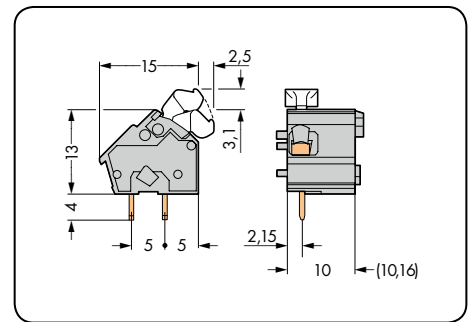
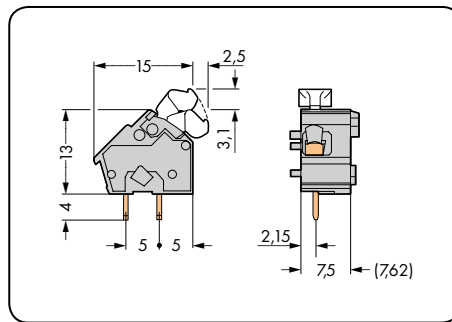
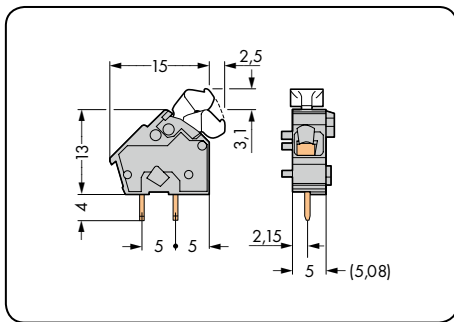
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Modular PCB Terminal Blocks with Angled Push-Buttons, 2.5 mm²

CAGE CLAMP®

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 mm ² 320 V/4 kV/2 24 A	AWG 28 - 12 300 V/10 A	0.08 - 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 - 12 300 V/10 A	0.08 - 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 - 12 300 V/10 A



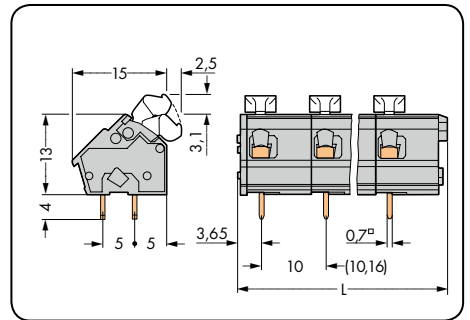
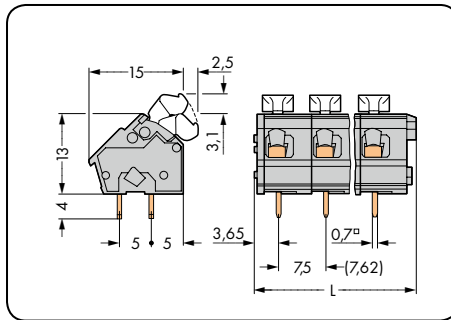
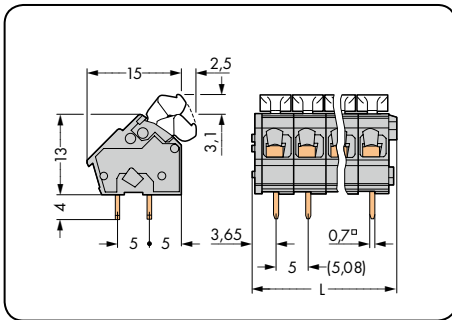
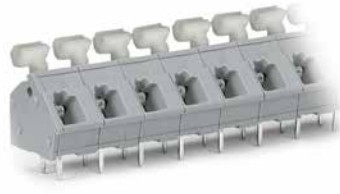
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Modular PCB terminal block with angled push-button, 2 solder pins/pole			Modular PCB terminal block with angled push-button, 2 solder pins/pole			Modular PCB terminal block with angled push-button, 2 solder pins/pole		
gray	256-461	600 (6 x 100)	gray	256-561	400 (4 x 100)	gray	256-661	300 (3 x 100)
red	256-840	600 (6 x 100)	red	256-850	400 (4 x 100)	red	256-860	300 (3 x 100)
dark gray	256-842	600 (6 x 100)	dark gray	256-852	400 (4 x 100)	dark gray	256-862	300 (3 x 100)
light gray	256-843	600 (6 x 100)	light gray	256-853	400 (4 x 100)	light gray	256-863	300 (3 x 100)
blue	256-844	600 (6 x 100)	blue	256-854	400 (4 x 100)	blue	256-864	300 (3 x 100)
orange	256-846	600 (6 x 100)	orange	256-856	400 (4 x 100)	orange	256-866	300 (3 x 100)
light green	256-847	600 (6 x 100)	light green	256-857	400 (4 x 100)	light green	256-867	300 (3 x 100)

End plates for 256 Series		Color	Item No.	Pack. Unit
snap-on type, 1 mm/0.039 in thick		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 Strips with Angled Push-Buttons, 1.5 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 mm ²	AWG 28 - 12	0.08 - 2.5 mm ²	AWG 28 - 12	0.08 - 2.5 mm ²	AWG 28 - 12
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



$L = (\text{pole no.} \times \text{pin spacing}) + 2.9 \text{ mm}$

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
PCB terminal strip with angled push-buttons, 2 solder pins/pole, gray			PCB terminal strip with angled push-buttons, 2 solder pins/pole, gray			PCB terminal strip with angled push-buttons, 2 solder pins/pole, gray		
2	256-402/334-000	400 (4 x 100)	2	256-502/334-000	280 (4 x 70)	2	256-602/334-000	200 (4 x 50)
3	256-403/334-000	280 (4 x 70)	3	256-503/334-000	180 (4 x 45)	3	256-603/334-000	140 (4 x 35)
4	256-404/334-000	200 (4 x 50)	4	256-504/334-000	140 (4 x 35)	4	256-604/334-000	100 (4 x 25)
5	256-405/334-000	160 (4 x 40)	5	256-505/334-000	120 (4 x 30)	5	256-605/334-000	80 (4 x 20)
6	256-406/334-000	140 (4 x 35)	6	256-506/334-000	100 (4 x 25)	6	256-606/334-000	60 (4 x 15)
7	256-407/334-000	120 (4 x 30)	7	256-507/334-000	80 (4 x 20)	7	256-607/334-000	60 (4 x 15)
8	256-408/334-000	100 (4 x 25)	8	256-508/334-000	60 (4 x 15)	8	256-608/334-000	60 (4 x 15)
9	256-409/334-000	100 (4 x 25)	9	256-509/334-000	60 (4 x 15)	9	256-609/334-000	40 (4 x 10)
10	256-410/334-000	80 (4 x 20)	10	256-510/334-000	60 (4 x 15)	10	256-610/334-000	40 (4 x 10)
12	256-412/334-000	60 (4 x 15)	12	256-512/334-000	40 (4 x 10)	12	256-612/334-000	40 (4 x 10)
16	256-416/334-000	60 (4 x 15)	16	256-516/334-000	40 (4 x 10)	16	256-616/334-000	20 (4 x 5)
24	256-424/334-000	40 (4 x 10)	24	256-524/334-000	20 (4 x 5)	24	256-624/334-000	20 (4 x 5)
36	256-436/334-000	20 (4 x 5)						
48	256-448/334-000	20 (4 x 5)						






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

● red/000-005	Ordering example: Terminal strip, 5/5.08 mm pin spacing 8-pole, orange: 256-408/334-012
● blue/000-006	
● dark gray/000-008	
○ light gray/000-009	
● orange/000-012	
● light green/000-017	

Thermal Transfer Printer smartPRINTER

70



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		
- smartSCRIPT marking software and driver		
	258-5000	1
Accessories		
Ink ribbon for smartPRINTER		
	258-5005	1
Roller for markingSTRIP		
	258-5006	1
Roller for WMB Inline		
	258-5007	1
Roller for Mini-WSB Inline		
	258-5008	1
Carrying case for smartPRINTER		
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 and Cable Marking

Markers	Cable Marking	Cable Marking
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Similar to picture

Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Mini-WSB Inline markers		Marker for marking sleeve		Marker for marking sleeve	
plain		12 x 4 mm		23 x 4 mm	
stretchable 5 ... 5.2 mm		2,500 pieces per roll		2,500 pieces per roll	
1,700 markers (5 mm) per roll		white	211-811	white	211-821
white	2009-145		1		1
Spare roller for TP 298+		Marking sleeve		Marking sleeve	
for accommodating the Mini-WSB Inline markers		Sleeve length: 12 mm		Sleeve length: 23 mm	
(for printer 04/2012 and later)		500 pcs		Mounting via cable tie	
	258-183	for 1.4-5 mm wire diameter		200 pcs	
	1	transparent	211-812	transparent	211-829
			1		1
		for 5-11 mm wire diameter			
		transparent	211-813		
			1		
		Marker for marking sleeve			
		23 x 4 mm			
		2,500 pieces per roll			
		white	211-821		
			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		

Cable Marking and Labels

Cable Marking	Cable Marking	Label Rolls and Type Plates
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Similar to picture



Similar to picture



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Cable tie marker		Wire marker for thread-on mounting		Label roll	
500 pieces per roll		1,000 pieces per roll		Polyester, self-adhesive	
25 x 20 mm		0.75 ... 1 mm ²		3,000 labels per roll	
white	211-835	white	211-861	15 x 6 mm	
	1		1	white	210-805
				yellow	210-805/000-002
					1
				15 x 9 mm	
				white	210-806
				yellow	210-806/000-002
					1
				20 x 8 mm	
				white	210-807
				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	
				44 x 99 mm	
				white	210-803
				silver	210-804
					1
					1
				Label roll	
				Fabric, self-adhesive	
				3,000 labels per roll	
				20 x 7 mm	
				white	210-811
				yellow	210-811/000-002
					1
					1

Lables and Push-Button Markers

Continuous Labels	Push-Button Markers	Push-Button Markers
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Continuous labels		Push-button markers		Push-button markers	
Polyester, self-adhesive		semi-permanent adhesive		semi-permanent adhesive	
9 lengths at 25 m		1000 markers per roll		1000 markers per roll	
Width: 2.3 mm		26.5 x 18 mm		27 x 12.5 mm	
white	210-831	1	silver	210-850	1
Width: 3 mm		Plastic cover		Plastic cover	
white		100 covers		100 covers	
210-832		26.5 x 18 mm		27 x 12.5 mm	
5 lengths at 25 m		transparent		transparent	
Width: 5 mm		210-851		210-863	
white		1		1	
210-834		Push-button markers		Push-button markers	
Width: 6 mm		semi-permanent adhesive		permanent adhesive	
white		1000 markers per roll		350 markers per roll	
210-833		27.5 x 17.5 mm		27 x 19 mm	
1		silver		silver	
		210-856		210-852	
		1		1	
		Plastic cover		Universal push-button frame	
		100 covers		for 210-852	
		27.5 x 17.5 mm		100 pcs per bag	
		transparent		27 x 19 mm	
		210-857		black	
		1		210-853	
		1		1	
		Push-button markers		Push-button markers	
		semi-permanent adhesive		permanent adhesive	
		1000 markers per roll		350 markers per roll	
		22 x 22 mm		27 x 18 mm	
		silver		silver	
		210-858		210-855	
		1		1	
		Plastic cover		Label roll DD (device designation)	
		100 covers		Polyester	
		22 x 22 mm		500 labels per roll	
		transparent		28 x 28 mm	
		210-859		175 µm thick	
		1		silver	
		1		210-854	
		1		1	
		Push-button markers			
		semi-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			
		1			

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2002-402	7	2002-2608	14	2007-8448	24	2022-1301/999-953	34
2002-403	7	2002-2609	14	2007-8801	24	2022-1302	33
2002-404	7	2002-2611	17	2007-8807	25	2022-1304/999-953	34
2002-405	7	2002-2611/1000-541	17	2007-8811	24	2022-1307/999-953	34
2002-406	7	2002-2611/1000-542	17	2007-8821	24	2022-1391	34
2002-407	7	2002-2611/1000-836	17	2007-8891	24	2022-1392	34
2002-408	7	2002-2612	17	2007-8892	24	2022-1401/999-953	35
2002-409	7	2002-2647	14	2007-8893	24	2022-1402	33
2002-410	7	2002-2657	14	2007-8894	24	2022-1404/999-953	35
2002-433	7	2002-2661	16	2007-8899	24	2022-1407/999-953	35
2002-434	7	2002-2662	16	2009 Series		2022-1491	35
2002-435	7	2002-2667	16	2009-110	4	2022-1492	35
2002-436	7	2002-2671	16	2009-114	5	2060 Series	
2002-437	7	2002-2672	16	2009-115	7	2060-421/998-404	47
2002-438	7	2002-2691	15	2009-145	71	2060-422/998-404	47
2002-439	7	2002-2692	15	2009-174	4	2060-423/998-404	47
2002-440	7	2003 Series		2009-182	4	2060-802/998-404	49
2002-472	9	2003-499	10	2009-191	7	2060-901	55
2002-473	9	2003-500	10	2009-304	11	2060-902	55
2002-473/011-000	18	2003-6640	10	2009-305	11	2060-903	55
2002-474	9	2003-6641	10	2009-309	11	2060-1401/998-404	51
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2002-476	9	2003-6644	10	2009-404	6	2060-1421/998-404	51
2002-477	9	2003-6645	10	2009-406	6	2060-1422/998-404	51
2002-477/011-000	18	2003-6646	10	2009-412	9	2060-1423/998-404	51
2002-478	9	2003-6649	10	2009-414	9	2060-1802/998-404	53
2002-479	9	2003-6650	10	2009-416	9	2060-1822/998-404	53
2002-479/011-000	18	2003-6651	10	2010 Series		2061 Series	
2002-480	9	2003-6692	11	2010-1208	8	2061-601/998-404	57
2002-481	9	2003-6693	10	2016 Series		2061-602/998-404	57
2002-481/011-000	18	2004 Series		2016-1208	8	2061-603/998-404	57
2002-482	9	2004-402	17	2020 Series		2061-621/998-404	57
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2002-1092	17	2004-434	17				
2002-1661	8	2004-435	17				
2002-1691	8						
2002-1692	8						

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