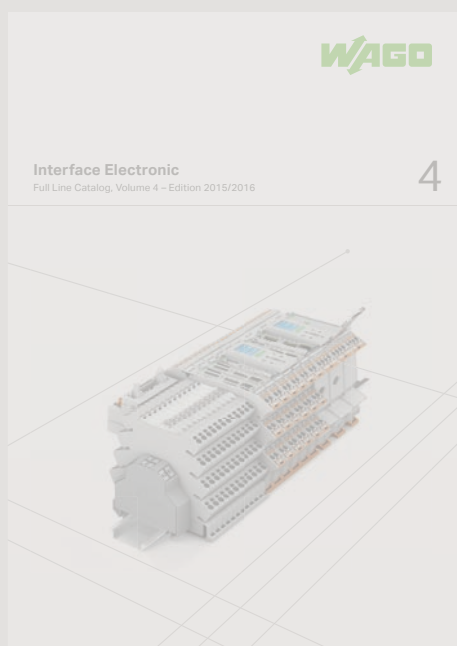
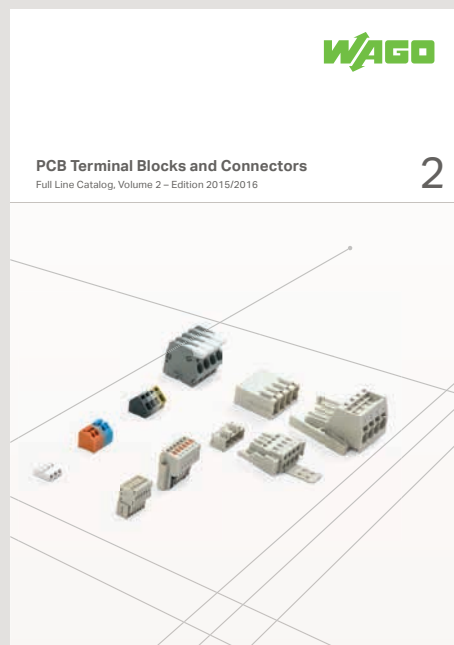
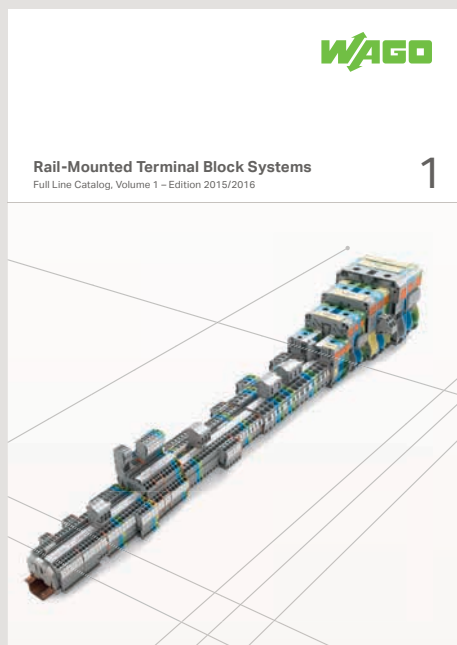


# Electrical Interconnection

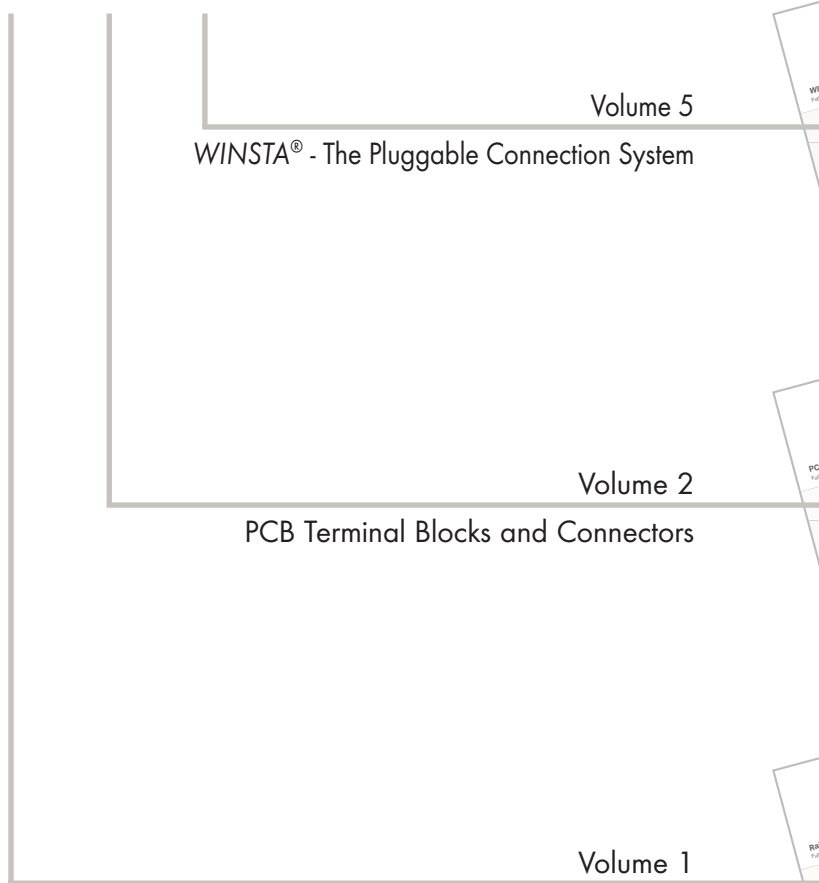
Supplementary Catalog to Full Line Catalogs, Volumes 1/2/5

Edition 2016/1



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

# N 1/2/5



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**Volume 1**

**02**



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**WINSTA® - The Pluggable Connection System**

**Volume 5**

**36**

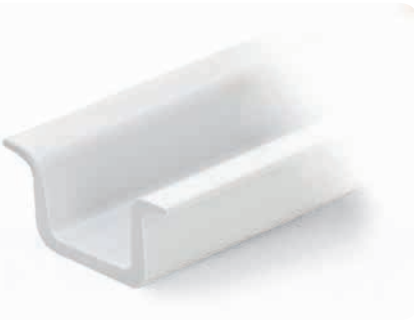
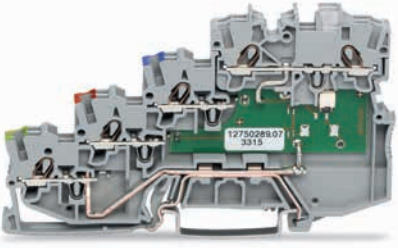
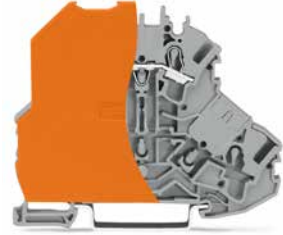
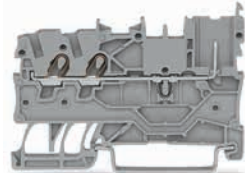


**Marking Accessories**



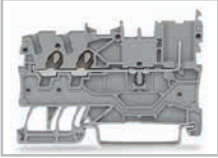









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**Item Numbers**

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	<b>Accessories for TOPJOB® S</b> Adjacent Jumper for Continuous Commoning	2002 Series	14
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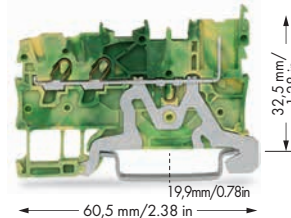
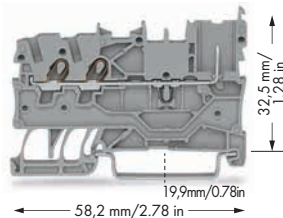


# X-COM® S-SYSTEM-MINI





















## 2-Conductor/1-Pin Carrier Terminal Blocks

### 2020 Series

0.14 ... 1 (1.5) mm <sup>2</sup> ①   AWG 24 ... 16 500 V/6 kV/3 ② I <sub>N</sub> 13.5 A ③ Terminal block width 3.5 mm / 0.138 in  9 ... 11 mm / 0.39 in ④	0.14 ... 1 (1.5) mm <sup>2</sup> ①   AWG 24 ... 16 Terminal block width 3.5 mm / 0.138 in  9 ... 11 mm / 0.39 in ④
--	---



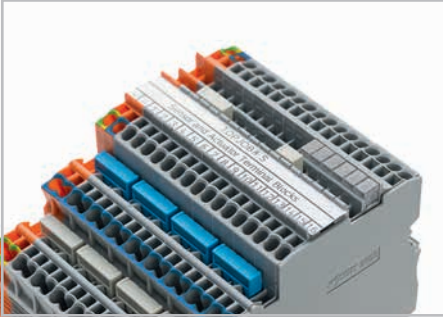
- ① Conductor sizes: 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> "s + f-st"; Push-in conductor sizes: 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> "s" and 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup> "insulated ferrule, 10 mm"
- ② 500 V = rated voltage  
6 kV = rated surge voltage  
3 = pollution degree  
(see Full Line Catalog, Volume 1, Section 14)
- ③ Current-carrying capacity curves upon request
- ④ Strip length, see packaging or instructions.
- ⑤ See application notes in Full Line Catalog, Volume 1, for:  
Colored push-in type jumper bars, page 101  
Star point jumper, page 103  
Delta jumper, page 103  
Push-in type wire jumper, page 102

Item No.	Pack. Unit	Item No.	Pack. Unit	Accessories
<b>3-conductor/1-pin carrier terminal block,</b> for DIN 35 rail, acc. to EN 60715		<b>3-conductor/1-pin ground carrier terminal block,</b> for DIN 35 rail, acc. to EN 60715		
 gray	<b>2020-1301</b> 50	 green-yellow	<b>2020-1307</b> 50	<b>1-conductor female plug</b>
 blue	<b>2020-1304</b> 50			 gray <b>2020-102</b> 100
<b>Notice:</b> An end plate must be applied to the carrier terminal blocks after each female plug.		<b>Notice:</b> An end plate must be applied to the carrier terminal blocks after each female plug.		<b>2-conductor female plug</b>
				 gray <b>2020-202</b> 100
				<b>Test plug adapter,</b> for 4 mm Ø test plug
				 gray <b>2009-174</b> 100 (4x25)
<b>2020 Series Accessories</b> Appropriate marking systems: WMB/Marking strips (see Full Line Catalog, Volume 1, Section 13)				<b>Banana plug,</b> for socket 4 mm Ø, color mixed
<b>End and intermediate plate,</b> 1 mm thick		<b>Star point jumper,</b> insulated,		<b>Testing tap,</b>
 orange <b>2020-1392</b> 100 (4x25)		 ⑤ I <sub>N</sub> = I <sub>N</sub> terminal block, light gray		 for max. 2.5 mm <sup>2</sup>
 gray <b>2020-1391</b> 100 (4x25)		1-3-5 <b>2000-405/011-000</b> 100 (4x25)		gray <b>2009-182</b> 100 (4x25)
<b>Push-in type jumper bar,</b> insulated,		<b>Push-in type wire jumper,</b>		<b>Marking strip,</b> plain,
 ⑤ I <sub>N</sub> 14 A, light gray		 ⑤ insulated, I <sub>N</sub> 16 A, wire size 1.5 mm <sup>2</sup>		 11 mm wide, 50 m roll
2-way <b>2000-402</b> 200 (8x25)		L = 60 mm <b>2009-402</b> 100 (10x10)		white <b>2009-110</b> 1
3-way <b>2000-403</b> 200 (8x25)		L = 110 mm <b>2009-404</b> 100 (10x10)		<b>WMB Multi marking system,</b>
4-way <b>2000-404</b> 200 (8x25)		L = 250 mm <b>2009-406</b> 100 (10x10)		10 strips with 10 markers per card, for 3.5 mm terminal block width
5-way <b>2000-405</b> 100 (4x25)				plain <b>793-3501</b> 5
6-way <b>2000-406</b> 100 (4x25)		<b>Protective warning marker,</b>		<b>Screwless end stop,</b>
7-way <b>2000-407</b> 100 (4x25)		 with high-voltage symbol, black, for 5 terminal blocks		 for DIN 35 rail, 6 mm wide
8-way <b>2000-408</b> 100 (4x25)		yellow <b>2000-115</b> 100 (4x25)		gray <b>249-116</b> 100 (4x25)
9-way <b>2000-409</b> 100 (4x25)		<b>Carrier with 6 coding pins,</b>		<b>Screwless end stop,</b>
10-way <b>2000-410</b> 100 (4x25)		 for coding female plugs		 for DIN 35 rail, 10 mm wide
<b>Push-in type jumper bar,</b> insulated,		orange <b>2020-100</b> 100 (4x25)		gray <b>249-117</b> 50 (2x25)
 I <sub>N</sub> 14 A, light gray		<b>Test pin,</b>		
from 1 to 3 <b>2000-433</b> 200 (8x25)		 1 mm Ø		
from 1 to 4 <b>2000-434</b> 200 (8x25)		<b>859-500</b> 1		
from 1 to 5 <b>2000-435</b> 100 (4x25)				
from 1 to 6 <b>2000-436</b> 100 (4x25)				
from 1 to 7 <b>2000-437</b> 100 (4x25)				
from 1 to 8 <b>2000-438</b> 100 (4x25)				
from 1 to 9 <b>2000-439</b> 100 (4x25)				
from 1 to 10 <b>2000-440</b> 100 (4x25)				
<b>Delta jumper,</b> insulated,				
 ⑤ I <sub>N</sub> = I <sub>N</sub> terminal block, light gray				
1-2 3-4 5-6 <b>2000-406/020-000</b> 100 (4x25)				

# 1 Sensor and Actuator Terminal Blocks 2000 Series

## 6 Commoning: Signal Level

Volume 1

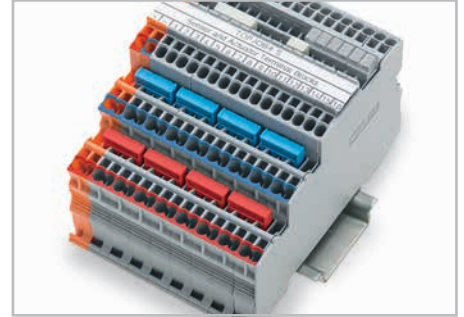


Commoning the signal level with push-in type jumper bars (2000 Series); models with an LED can only be commoned in one jumper slot! TOPJOB® S test plug adapter can be used in all jumper slots.



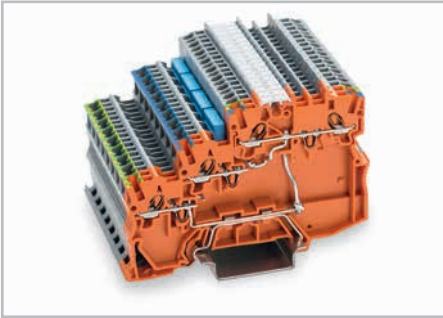
Upper level: two independent signal passages

## Commoning: Potential Level



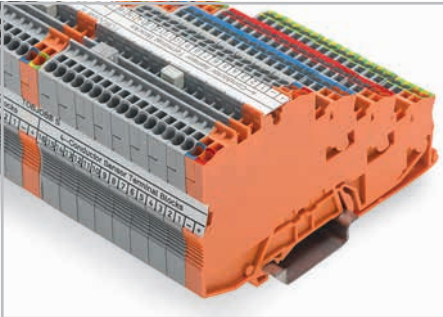
Commoning the potential levels via push-in type jumper bars (2000 Series).

## Power Supply

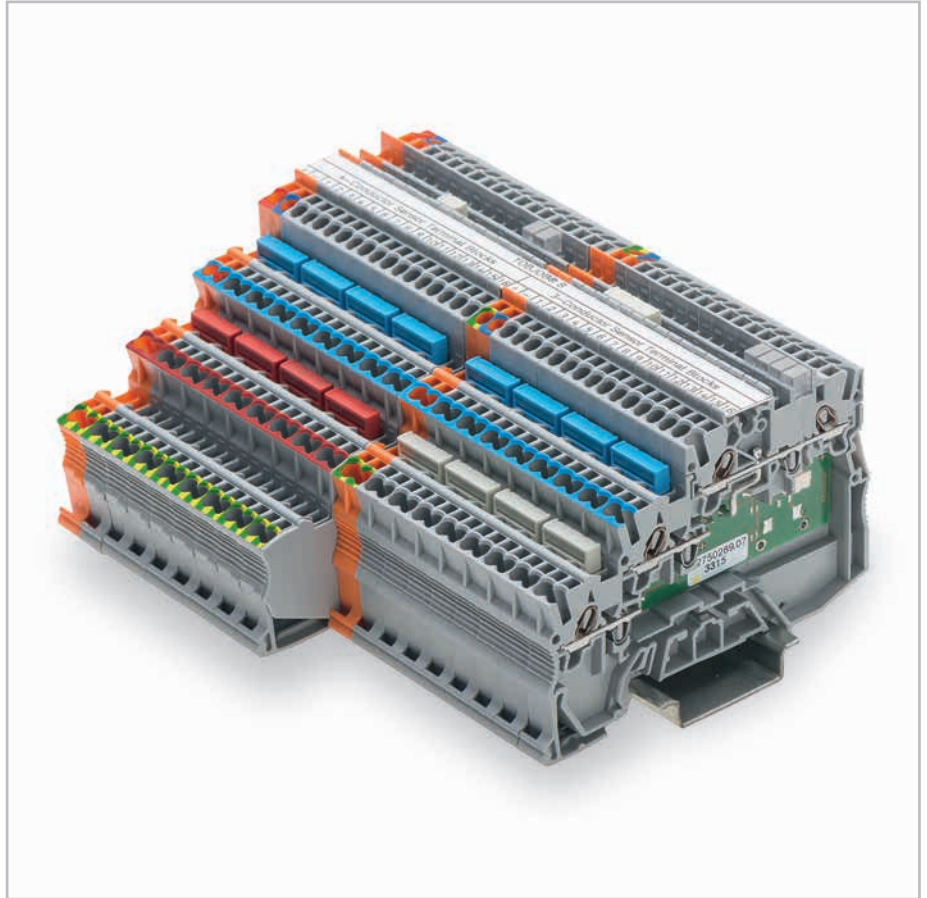


Orange supply terminal block of same profile with a power supply option from both the cabinet and sensor sides

## Marking System

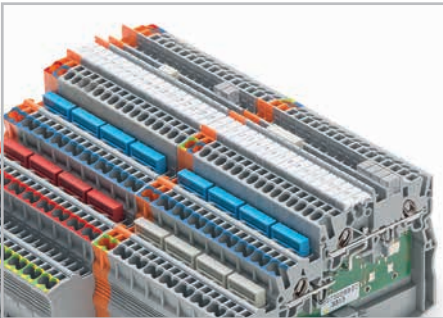


Marking strips (2009-110), marking from the top or the side

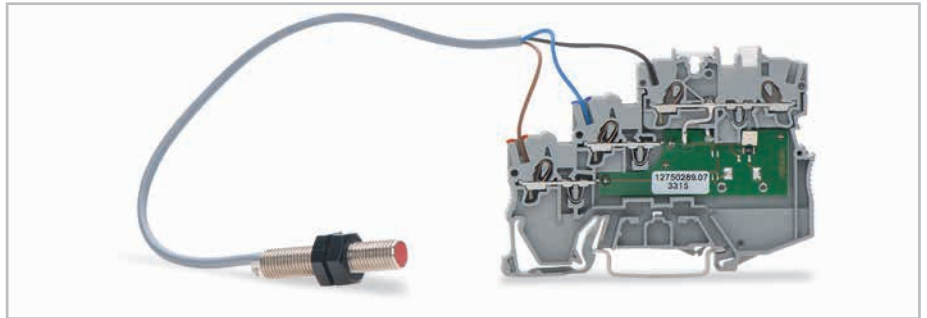


Terminal block assembly with 4-conductor sensor terminal blocks and 3-conductor actuator terminal blocks

## Marking System



WMB markers 3.5 mm (793-35xx), marking from the top or the side, additional marking option via marker carrier



3-conductor sensor LED terminal block with a connected sensor



Push-in CAGE CLAMP® clamps the following copper conductors:\*

solid



stranded



fine-stranded, also with tinned single strands

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

① When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

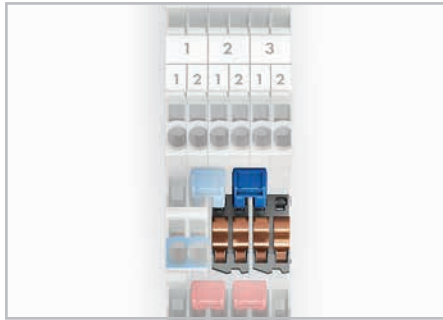


# - Description and Handling -

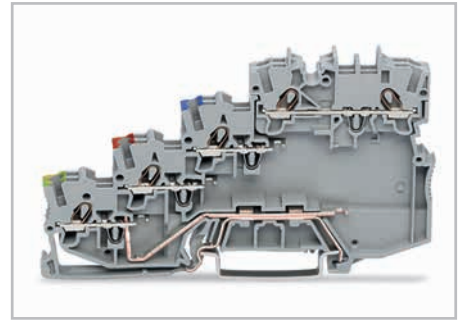
## Commoning: Potential Level



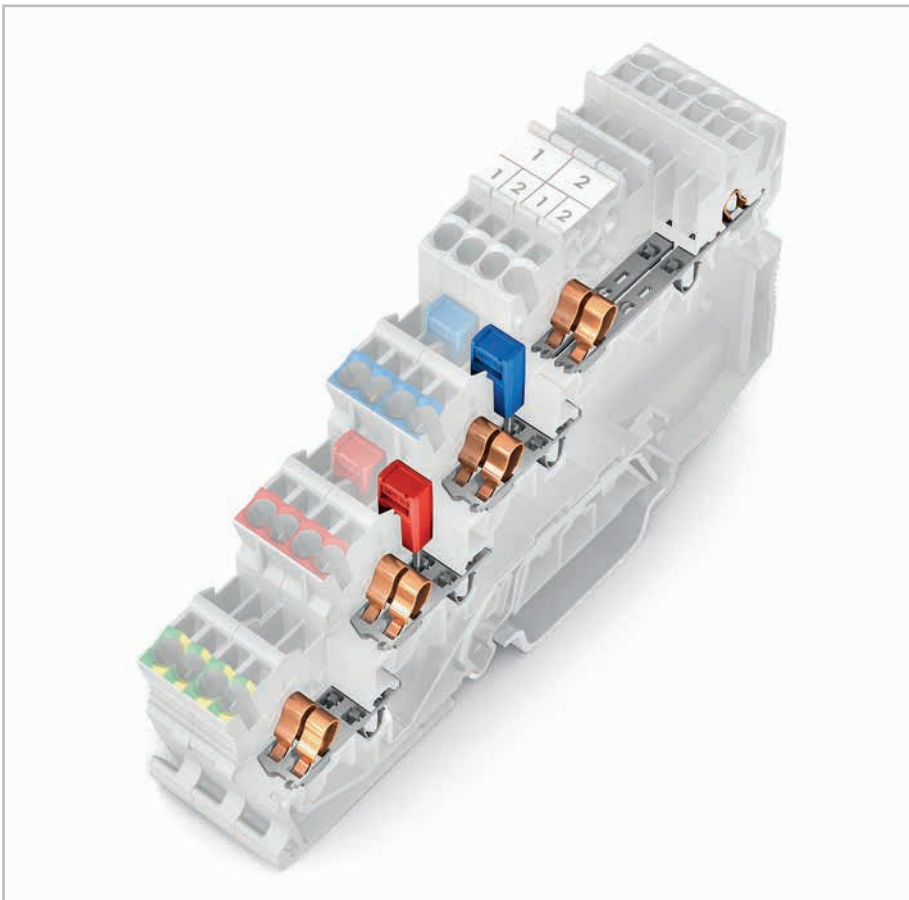
Continuous commoning in the potential levels via push-in type jumper bars for even pole numbers (2000 Series)



Potential levels: two adjacent commoning options on a current bar

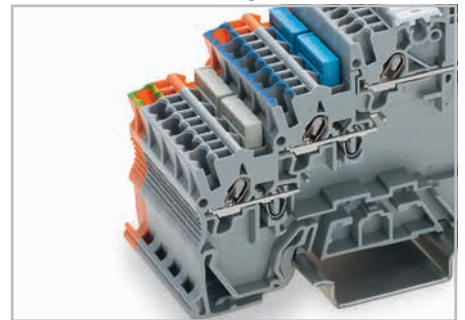


4-conductor sensor terminal block with ground contact



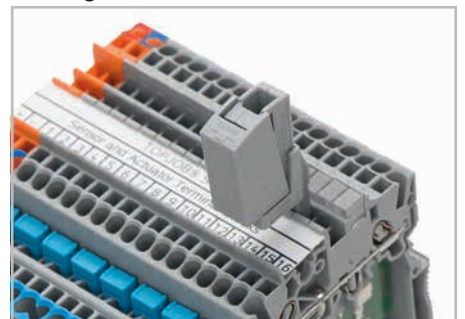
Upper level: two independent signal passages, in 3.5 mm pin spacing, with dual jumper slot  
Lower levels: two interconnected potential clamping units, with a single jumper slot, can be commoned in both directions

## Ground Commoning



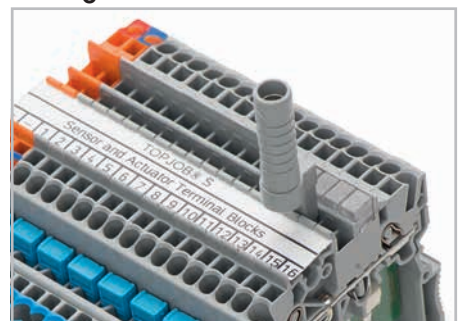
For sensor and actuator terminal blocks without ground connection to the DIN-rail, the ground connection can be performed by commoning to the terminal block with a ground foot.

## Testing

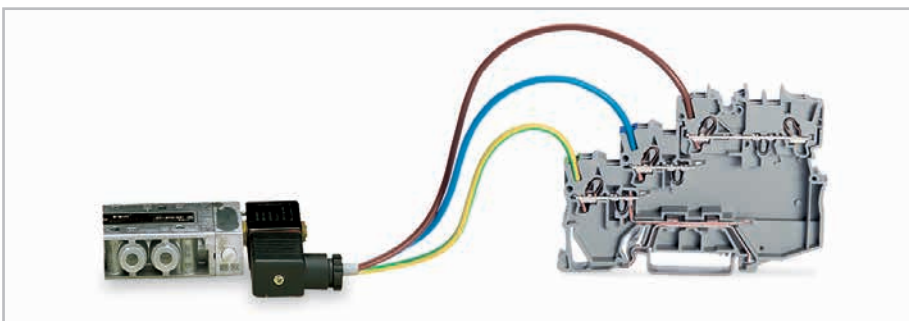


Testing via testing tap (2009-182) (up to max. 42 V)

## Testing



Testing via test plug adapter (2009-174) (up to max. 42 V)



3-conductor actuator LED terminal block with a connected actuator



fine-stranded, tip-bonded



fine-stranded, with ferrule ① (gastight crimped)



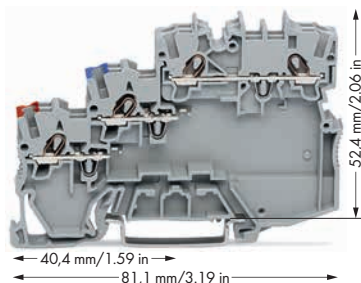
fine-stranded, with pin terminal (gastight crimped)

# TOPJOB® S

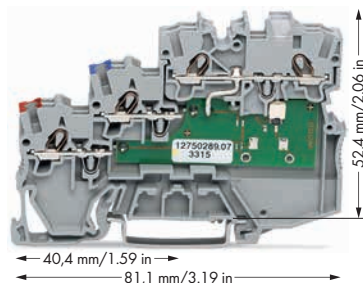
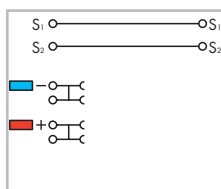
## 3-Conductor Sensor Terminal Blocks 1 (1.5) mm<sup>2</sup>

### 2000 Series

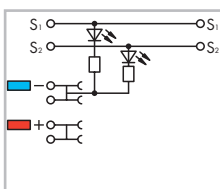
0.14 ... 1 (1.5) mm <sup>2</sup> ① 250 V/4 kV/3 ② I <sub>N</sub> 13.5 A	AWG 24 ... 16 300 V, 10 A	0.14 ... 1 (1.5) mm <sup>2</sup> ① 24 VDC I <sub>N</sub> 13.5 A	AWG 24 ... 16 24 VDC, 10 A
Terminal block width 7 mm / 0.276 in ③ 9 ... 11 mm / 0.39 in ④		Terminal block width 7 mm / 0.276 in ③ 9 ... 11 mm / 0.39 in ④	



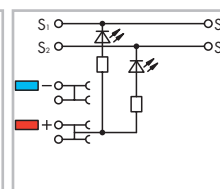
2000-5311



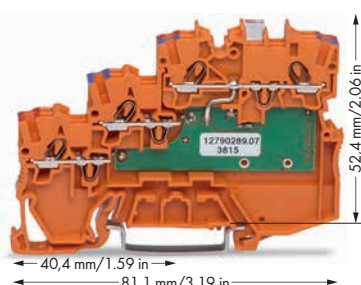
2000-5311/1102-950



2000-5311/1101-951

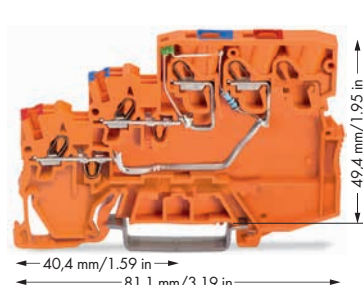
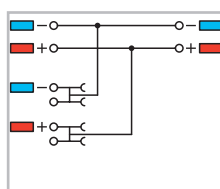
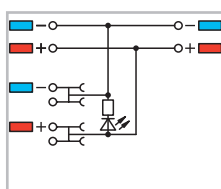


Item No.	Pack. Unit	Item No.	Pack. Unit
<b>3-conductor sensor terminal block</b>		<b>3-conductor sensor LED terminal block, for PNP (positive) switching sensors, yellow LED</b>	
gray	2000-5311 50	gray	2000-5311/1102-950 50
		<b>3-conductor sensor LED terminal block, for NPN (negative) switching sensors, yellow LED</b>	
		gray	2000-5311/1101-951 50



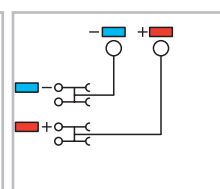
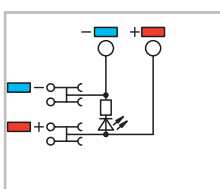
2000-5372/1102-953

2000-5372



2000-5352/1102-953

2000-5352



Item No.	Pack. Unit	Item No.	Pack. Unit
<b>3-conductor sensor LED supply terminal block, 24 VDC, green LED</b>		<b>3-conductor sensor LED supply terminal block, 24 VDC, green LED, control panel side: 2.5 (4) mm<sup>2</sup>, max. 28 A</b>	
orange	2000-5372/1102-953 15	orange	2000-5352/1102-953 15
<b>3-conductor sensor supply terminal block, max. 250 V, internal bridge</b>		<b>3-conductor sensor supply terminal block, max. 250 V, control panel side: 2.5 (4) mm<sup>2</sup>, max. 28 A</b>	
orange	2000-5372 15		2000-5352 15

## PUSH-IN CAGE CLAMP®

### Note:

The double pin spacing of this terminal block series allows, e.g., ten sensors to be connected using only five sensor terminal blocks plus power supply terminal block.

- ① Conductor sizes: 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> "s + f-st"; Push-in conductor sizes: 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> "s" and 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup> "insulated ferrule, 10 mm"
- ② 250 V = rated voltage  
4 kV = rated surge voltage  
3 = pollution degree  
(see Full Line Catalog, Volume 1, Section 14)
- ③ 3.5 mm pin spacing per signal (2 x 3.5 mm = 7 mm)
- ④ Strip length, see packaging or instructions.
- ⑤ See application notes in Full Line Catalog, Volume 1, for:  
Colored push-in type jumper bars, page 101  
Push-in type wire jumper, page 102

### Accessories for 4-Conductor Terminal Blocks WMB/Marking strips (see Full Line Catalog, Volume 1, Section 13)

<b>End and intermediate plate, 1 mm thick, for 3-conductor terminal blocks</b>	
gray	2000-5391 100 (4x25)

<b>Push-in type jumper bar, insulated, I<sub>N</sub> 14 A, light gray</b>	
2-way	2000-402 200 (8x25)
3-way	2000-403 200 (8x25)
4-way	2000-404 200 (8x25)
5-way	2000-405 100 (4x25)
6-way	2000-406 100 (4x25)
7-way	2000-407 100 (4x25)
8-way	2000-408 100 (4x25)
9-way	2000-409 100 (4x25)
10-way	2000-410 100 (4x25)

<b>Colored push-in type jumper bars, I<sub>N</sub> 14 A,</b>	
red	.../000-005
blue	.../000-006
yellow-green	

<b>Push-in type jumper bar, insulated, I<sub>N</sub> 14 A, light gray</b>	
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)

<b>Double-deck marker carrier, pivoting</b>	
gray	2000-121 50 (2x25)

<b>Marking strip, plain, 11 mm wide, 50 m roll</b>	
white	2009-110 1

<b>WMB Multi marking system, 10 strips with 10 markers per card, for 3.5 mm terminal block width</b>	
plain	793-3501 5

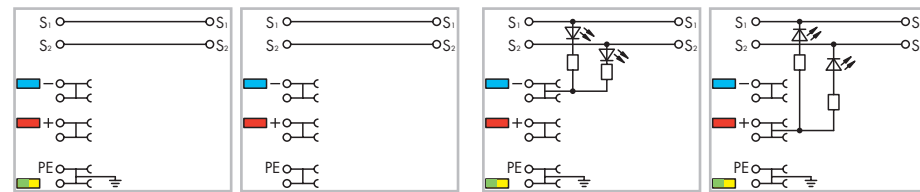
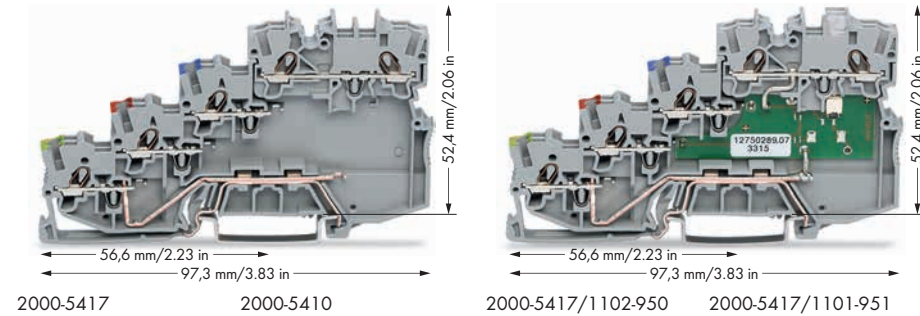
<b>Operating tool with partially insulated shaft, type 1, (2.5 x 0.4) mm blade</b>	
	210-719 1

# TOPJOB® S

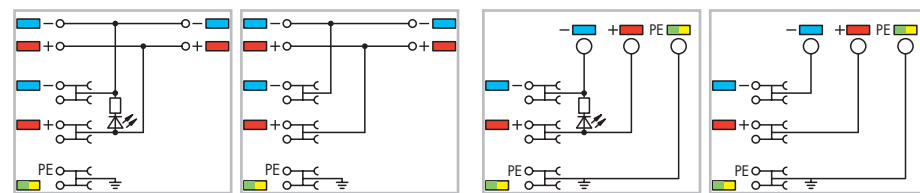
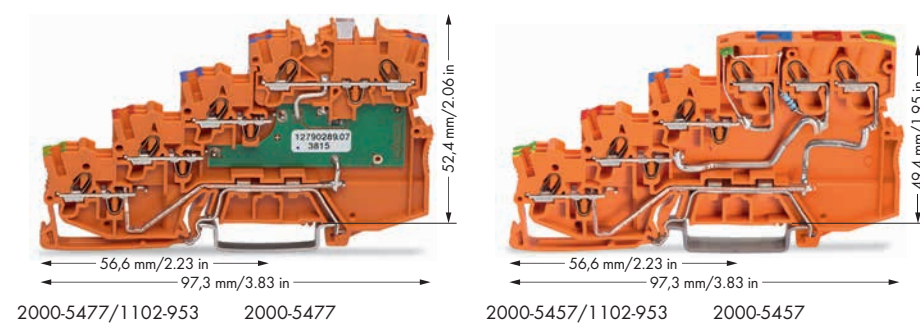
## 4-Conductor Sensor Terminal Blocks 1 (1.5) mm<sup>2</sup>

### 2000 Series

0.14 ... 1 (1.5) mm <sup>2</sup> ① 250 V/4 kV/3 ② I <sub>N</sub> 13.5 A	AWG 24 ... 16 300 V, 10 A	0.14 ... 1 (1.5) mm <sup>2</sup> ① 24 VDC I <sub>N</sub> 13.5 A	AWG 24 ... 16 24 VDC, 10 A
Terminal block width 7 mm / 0.276 in ③ 9 ... 11 mm / 0.39 in ④		Terminal block width 7 mm / 0.276 in ③ 9 ... 11 mm / 0.39 in ④	



Item No.	Pack. Unit	Item No.	Pack. Unit
<b>4-conductor sensor terminal block</b>		<b>4-conductor sensor LED terminal block, for PNP (positive) switching sensors, yellow LED</b>	
gray	2000-5417 50	gray	2000-5417/1102-950 50
gray	2000-5410 50 ⑥	gray	2000-5410/1102-950 50 ⑥
		<b>4-conductor sensor LED terminal block, for NPN (negative) switching sensors, yellow LED</b>	
		gray	2000-5417/1101-951 50
		gray	2000-5410/1101-951 50 ⑥



Item No.	Pack. Unit	Item No.	Pack. Unit
<b>4-conductor sensor LED supply terminal block, 24 VDC, green LED</b>		<b>4-conductor sensor LED supply terminal block, 24 VDC, green LED, control panel side: 2.5 (4) mm<sup>2</sup>, max. 28 A</b>	
orange	2000-5477/1102-953 15	orange	2000-5457/1102-953 15
<b>4-conductor sensor supply terminal block, max. 250 V, internal bridge</b>		<b>4-conductor sensor supply terminal block, max. 250 V, control panel side: 2.5 (4) mm<sup>2</sup>, max. 28 A</b>	
orange	2000-5477 15	orange	2000-5457 15

**Note:**

The double pin spacing of this terminal block series allows, e.g., ten sensors to be connected using only five sensor terminal blocks plus power supply terminal block.

- ① Conductor sizes: 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> "s + fst"; Push-in conductor sizes: 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> "s" and 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup> "insulated ferrule, 10 mm"
- ② 250 V = rated voltage  
4 kV = rated surge voltage  
3 = pollution degree  
(see Full Line Catalog, Volume 1, Section 14)
- ③ 3.5 mm pin spacing per signal (2 x 3.5 mm = 7 mm)
- ④ Strip length, see packaging or instructions.
- ⑤ See application notes in Full Line Catalog, Volume 1, for:  
Colored push-in type jumper bars, page 101  
Push-in type wire jumper, page 102
- ⑥ Ground connection via commoning to terminal blocks with ground foot

**Accessories for 4-Conductor Terminal Blocks** WMB/Marking strips  
(see Full Line Catalog, Volume 1, Section 13)

<b>End and intermediate plate, 1 mm thick,</b>	for 4-conductor terminal blocks
gray	2000-5491 100 (4x25)

<b>Push-in type jumper bar, insulated,</b>	I <sub>N</sub> 14 A, light gray
⑤ 2-way	2000-402 200 (8x25)
3-way	2000-403 200 (8x25)
4-way	2000-404 200 (8x25)
5-way	2000-405 100 (4x25)
6-way	2000-406 100 (4x25)
7-way	2000-407 100 (4x25)
8-way	2000-408 100 (4x25)
9-way	2000-409 100 (4x25)
10-way	2000-410 100 (4x25)

<b>Colored push-in type jumper bars,</b>	
red	.../000-005
blue	.../000-006
yellow-green	.../000-018

<b>Push-in type jumper bar, insulated,</b>	I <sub>N</sub> 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)

<b>Double-deck marker carrier,</b>	pivoting
gray	2000-121 50 (2x25)

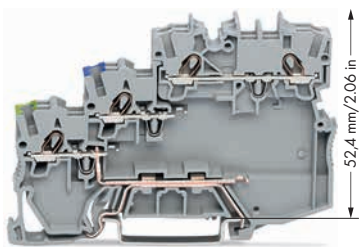
<b>Marking strip, plain,</b>	11 mm wide, 50 m roll
white	2009-110 1

<b>WMB Multi marking system,</b>	10 strips with 10 markers per card, for 3.5 mm terminal block width
plain	793-3501 5

<b>Operating tool with partially insulated shaft,</b>	type 1, (2.5 x 0.4) mm blade
	210-719 1

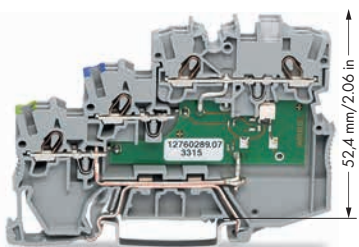
# TOPJOB® S 3-Conductor Actuator Terminal Blocks 1 (1.5) mm<sup>2</sup> 2000 Series

0.14 ... 1 (1.5) mm <sup>2</sup> ① 250 V/4 kV/3 ② I <sub>N</sub> 13.5 A Terminal block width 7 mm / 0.276 in ③ 9 ... 11 mm / 0.39 in ④	AWG 24 ... 16 300 V, 10 A	0.14 ... 1 (1.5) mm <sup>2</sup> ① 24 VDC I <sub>N</sub> 13.5 A Terminal block width 7 mm / 0.276 in ③ 9 ... 11 mm / 0.39 in ④	AWG 24 ... 16 24 VDC, 10 A
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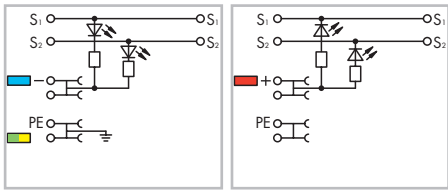
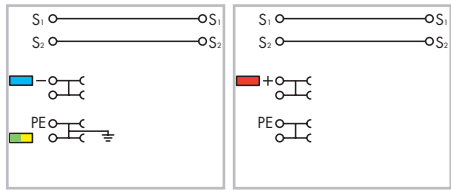
40,4 mm / 1.59 in  
81,1 mm / 3.19 in

2000-5317/102-000 2000-5310/101-000

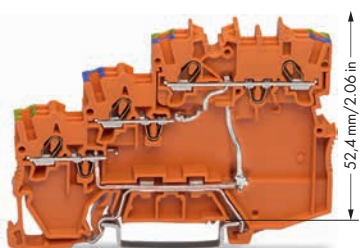


40,4 mm / 1.59 in  
81,1 mm / 3.19 in

2000-5317/1102-950 2000-5310/1101-951

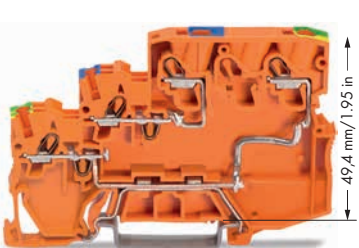


Item No.	Pack. Unit	Item No.	Pack. Unit
<b>3-conductor actuator terminal block, for PNP (positive) switching actuators, with ground connection</b>		<b>3-conductor actuator LED terminal block, for PNP (positive) switching actuators, yellow LED, with ground connection</b>	
gray	2000-5317/102-000 50	gray	2000-5317/1102-950 50
gray	2000-5310/102-000 50 ⑥	gray	2000-5310/1102-950 50 ⑥
<b>3-conductor actuator terminal block, for NPN (negative) switching actuators</b>		<b>3-conductor actuator LED terminal block, for NPN (negative) switching actuators, yellow LED</b>	
gray	2000-5317/101-000 50	gray	2000-5317/1101-951 50
gray	2000-5310/101-000 50 ⑥	gray	2000-5310/1101-951 50 ⑥



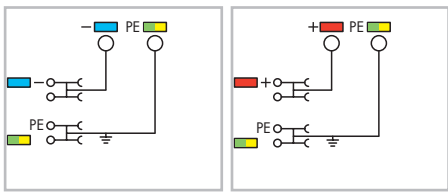
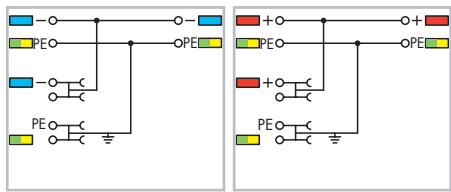
40,4 mm / 1.59 in  
81,1 mm / 3.19 in

2000-5377/102-000 2000-5377/101-000



40,4 mm / 1.59 in  
81,1 mm / 3.19 in

2000-5357/102-000 2000-5357/101-000



Item No.	Pack. Unit	Item No.	Pack. Unit
<b>3-conductor actuator supply terminal block, max. 250 V, for PNP (positive) switching actuators, with ground connection, internal bridge</b>		<b>3-conductor actuator supply terminal block, max. 250 V, control panel side: 2.5 (4) mm<sup>2</sup>, max. 28 A, for PNP (positive) switching actuators, with ground connection</b>	
orange	2000-5377/102-000 15	orange	2000-5357/102-000 15
<b>3-conductor actuator supply terminal block, max. 250 V, for NPN (negative) switching actuators, with ground connection</b>		<b>3-conductor actuator supply terminal block, 24 VDC, control panel side: 2.5 (4) mm<sup>2</sup>, max. 28 A, for NPN (negative) switching actuators, with ground connection</b>	
orange	2000-5377/101-000 15	orange	2000-5357/101-000 15

## PUSH-IN CAGE CLAMP®

**Note:**  
The double pin spacing of this terminal block series allows, e.g., ten sensors to be connected using only five sensor terminal blocks plus power supply terminal block.

- ① Conductor sizes: 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> "s + f.st."; Push-in conductor sizes: 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> "s" and 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup> "insulated ferrule, 10 mm"
- ② 250 V = rated voltage  
4 kV = rated surge voltage  
3 = pollution degree  
(see Full Line Catalog, Volume 1, Section 14)
- ③ 3.5 mm pin spacing per signal (2 x 3.5 mm = 7 mm)
- ④ Strip length, see packaging or instructions.
- ⑤ See application notes in Full Line Catalog, Volume 1, for:  
Colored push-in type jumper bars, page 101  
Push-in type wire jumper, page 102
- ⑥ Ground connection via commoning to terminal blocks with ground foot

### Accessories for 4-Conductor Terminal Blocks WMB/Marking strips (see Full Line Catalog, Volume 1, Section 13)

**End and intermediate plate, 1 mm thick,**

for 3-conductor terminal blocks	gray	2000-5391	100 (4x25)
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**Push-in type jumper bar, insulated,**

⑤ I<sub>N</sub> 14 A, light gray

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

**Colored push-in type jumper bars,**

red	.../000-005
blue	.../000-006
yellow-green	.../000-018

**Push-in type jumper bar, insulated,**

I<sub>N</sub> 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)

**Double-deck marker carrier,**

pivoting	gray	2000-121	50 (2x25)
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**Marking strip, plain,**

11 mm wide, 50 m roll	white	2009-110	1
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**WMB Multi marking system,**

10 strips with 10 markers per card, for 3.5 mm terminal block width	plain	793-3501	5
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**Operating tool with partially insulated shaft,**

type 1, (2.5 x 0.4) mm blade		210-719	1
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
# TOPJOB® S

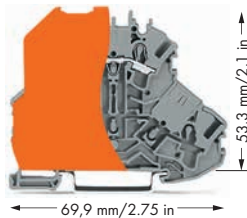
## Double-Deck Terminal Blocks 2.5 (4) mm<sup>2</sup>

### 2002 Series











PUSH-IN CAGE CLAMP®

Protective warning marker and insulation stop must be applied individually.

<p>0.25 ... 2.5 (4) mm<sup>2</sup> ❶   AWG 22 ... 12 AC/DC 1000 V/ DC 1500 V/12 kV/3 ❷ I<sub>N</sub> 24 A</p> <p>Terminal block width 7.2 mm / 0.283 in.</p> <p> 10 ... 12 mm / 0.43 in. ❸</p>	
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- ❶ Conductor sizes: 0.25 mm<sup>2</sup> ... 4 mm<sup>2</sup> "s + f-st";  
Push-in conductor sizes: 0.75 mm<sup>2</sup> ... 4 mm<sup>2</sup> "s"  
and 0.75 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>  
"insulated ferrule, 12 mm"
- ❷ AC/DC 1000 V = rated voltage  
DC 1500 V  
12 kV = rated surge voltage  
3 = pollution degree  
(see Full Line Catalog, Volume 1, Section 14)
- ❸ Strip length, see packaging or instructions.

Item No.	Pack. Unit	
<b>Double-deck terminal block, contact insert only on upper deck, with oversized, orange separator, gray housing</b>		
 L	2002-2201/098-000	50
<b>Double-deck terminal block, contact insert only on upper deck, with oversized, gray separator, gray housing</b>		
 L	2002-2201/097-000	50
<b>2002 Series Accessories</b>		
Appropriate marking systems: WMB/Marking strips/WMB Inline (see Full Line Catalog, Volume 1, Section 13)		
<b>Separator, oversized upper deck, snap-on type, 2 mm thick</b>		<b>Protective warning marker,</b>
 orange	2002-2296 100 (4x25)	with high-voltage symbol, black, for 5 terminal blocks
 gray	2002-2295 100 (4x25)	yellow <b>2002-115</b> 100 (4x25)
<b>Double-deck marker carrier,</b>		<b>Test plug adapter,</b>
 pivoting		for 4 mm Ø test plug
 gray	2002-121 50 (2x25)	gray <b>2009-174</b> 100 (4x25)
<b>Insulation stop,</b>		<b>Testing tap,</b>
 5 pcs/strip, 0.25 ... 0.5 mm <sup>2</sup>		for max. 2.5 mm <sup>2</sup>
 light gray	2002-171 200 (8x25)	gray <b>2009-182</b> 100 (4x25)
<b>Insulation stop,</b>		<b>WMB Multi marking system,</b>
 5 pcs/strip, 0.75 ... 1 mm <sup>2</sup>		10 strips with 10 markers per card, stretchable 5 ... 5.2 mm
 dark gray	2002-172 200 (8x25)	plain <b>793-5501</b> 50
		<b>WMB Multi marking system, plain,</b>
		10 strips with 10 markers per card, stretchable 5 ... 5.2 mm
		yellow <b>793-5501/000-002</b> 5
		red <b>793-5501/000-005</b>
		blue <b>793-5501/000-006</b>
		gray <b>793-5501/000-007</b>
		orange <b>793-5501/000-012</b>
		light green <b>793-5501/000-017</b>
		green <b>793-5501/000-023</b>
		violet <b>793-5501/000-024</b>
		<b>Marking strip, plain,</b>
		11 mm wide, 50 m roll
		white <b>2009-110</b> 5

# TOPJOB® S

## Connectors and Connector Strips

### 2000 Series

PUSH-IN CAGE CLAMP®

0.14 ... 1 (1.5) mm<sup>2</sup> ① | AWG 24 ... 16  
500 V/6 kV/3 ②  
I<sub>N</sub> 13.5 A

Terminal block width 3.5 mm / 0.138 in.  
9 ... 11 mm / 0.39 in. ③

0.14 ... 1 (1.5) mm<sup>2</sup> ① AWG 24 ... 16  
500 V/6 kV/3 ②  
I<sub>N</sub> 13.5 A

Terminal block width 5 mm / 0.197 in.  
9 ... 11 mm / 0.39 in. ③



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

Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Modular TOPJOB® S connector,</b> without end plate, for jumper contact slot, can be snapped together, gray		<b>Modular TOPJOB® S connector,</b> with end plate, for jumper contact slot, can be snapped together, gray	
● 1-pole <b>2000-510</b>	100 (4x25)	● 1-pole <b>2000-511</b>	100 (4x25)
<b>Spacer module,</b> can be snapped together, e.g., for bridging commoned terminal blocks			
● gray <b>2000-549</b>	100 (4x25)		
<b>TOPJOB® S connector strip,</b> for jumper contact slot, gray			
● 2-pole <b>2000-552</b>	25		
● 3-pole <b>2000-553</b>	25		
● 4-pole <b>2000-554</b>	25		
● 5-pole <b>2000-555</b>	10		
● 6-pole <b>2000-556</b>	10		
● 7-pole <b>2000-557</b>	10		
● 8-pole <b>2000-558</b>	10		
● 9-pole <b>2000-559</b>	10		
● 10-pole <b>2000-560</b>	10		

#### Accessories

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

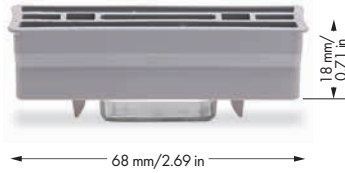
<b>End plate,</b> for modular TOPJOB® S connectors, 1.5 mm thick gray <b>2002-541</b>		<b>Strain relief plate,</b> gray	
100 (4x25)		35 mm width <b>734-326</b>	100 (4x25)
		6 mm wide <b>734-327</b>	100 (4x25)
		12.5 mm width <b>734-328</b>	100 (4x25)
		25 mm wide <b>734-329</b>	100 (4x25)
<b>Test plug,</b> with 500 mm cable, 2.3 mm Ø yellow <b>210-137</b>			
50			
<b>Test plug,</b> with 500 mm cable, 2 mm Ø red <b>210-136</b>			
50			
<b>Marking strip,</b> plain, 11 mm wide, 50 m roll white <b>2009-110</b>			
1			
<b>WMB Multi marking system,</b> 10 strips with 10 markers per card, for 3.5 mm terminal block width plain <b>793-3501</b>			
5			



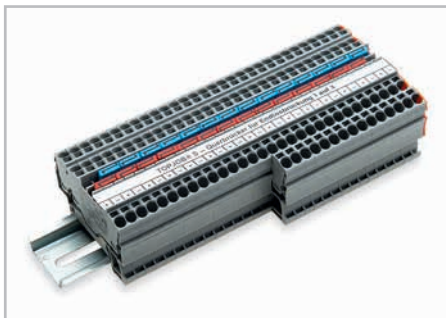
**TOPJOB® S**

**Adjacent Jumpers for Continuous Commoning, Collective Carriers for Jumpers and Push-in Type Jumper Bars 2002 and 2009 Series**

Adjacent jumper for continuous 800 V/8 kV/3 I <sub>N</sub> 25 A	Collective Carrier for Jumpers	Push-in type jumper bar
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Adjacent jumper for continuous commoning, insulated, I <sub>N</sub> 25 A, from 1 to 3		Collective carrier for Jumpers, for 2000 ... 2016 Series Jumpers, for DIN-rail		Push-in type jumper bar, insulated, I <sub>N</sub> 25 A, yellow-green	
○ light gray	<b>2002-423</b> 100 (4x25)	○ gray	<b>2009-180</b> 25	● 2-way	<b>2000-402/000-018</b>
● red	<b>2002-423/000-005</b> 100 (4x25)				200 (8x25)
● blue	<b>2002-423/000-006</b> 100 (4x25)				



Adjacent jumper for continuous commoning



Collective carrier for jumpers



Colored push-in type jumper bars are used with sensor and actor terminal blocks (2000 Series).



# TOPJOB® S

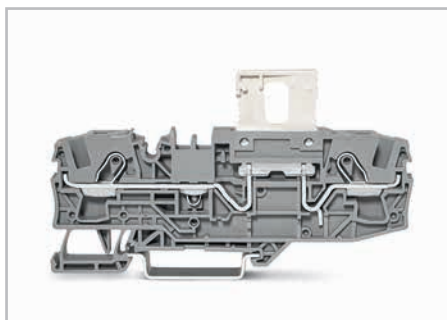
## Disconnect and Blind Plugs for Carrier Terminal Blocks, 2006 Series

### Plastic Carrier Rails, 210 Series

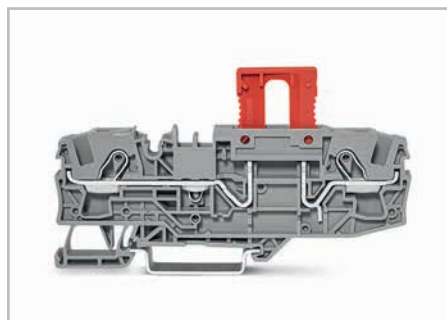
Disconnect plug for carrier terminal blocks 800 V/8 kV/3 I <sub>N</sub> 30 A	Blind plug for carrier terminal blocks	Plastic carrier rail
--	--	----------------------



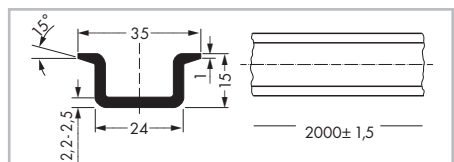
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Disconnect plug for carrier terminal blocks, suited</b> when using a carrier terminal block as disconnect terminal block		<b>Blind plug for carrier terminal blocks,</b> indicates a disconnection		<b>Plastic carrier rail, 35 x 15 mm,</b> 2,3 mm thick, 2 m long	
○ white	<b>2006-401/000-050</b> 100 (4x25)	● red	<b>2006-451</b> 100 (4x25)	<b>Not suited for use with ground terminal blocks!</b> unslotted <b>210-509</b>	1



Carrier terminal block with disconnect plug in operating position.



Carrier terminal block with blind plug in disconnect position.



Dimensions in mm

50 ... 185 mm<sup>2</sup> | AWG 1/0 ... 350 kcmil  
1000 V AC/DC/1500 VDC/12 kV/3 ①  
I<sub>N</sub> 353 A

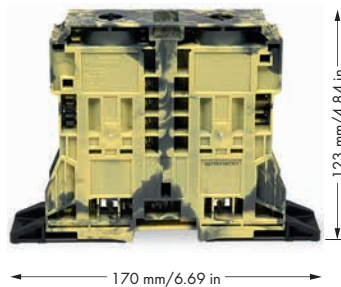
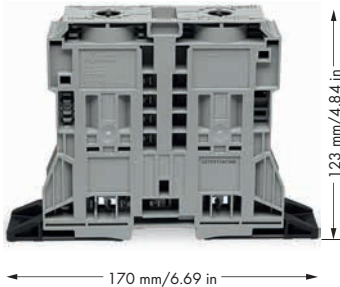
Terminal block width 32 mm / 1.26 in.

45 ... 47 mm / 1.77 ... 1.85 in. ②

50 ... 185 mm<sup>2</sup> | AWG 1/0 ... 350 kcmil  
1000 V AC/DC/1500 VDC/12 kV/3 ①  
I<sub>N</sub> 353 A

Terminal block width 32 mm / 1.26 in.

45 ... 47 mm / 1.77 ... 1.85 in. ②



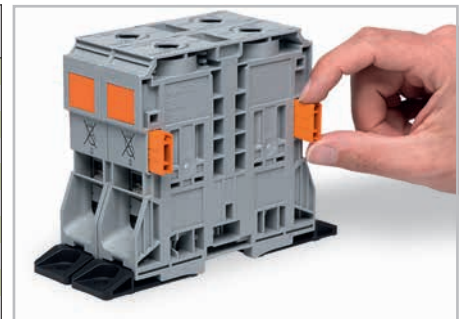
- ① AC/DC up to 1000 V = rated voltage  
DC up to 1500 V  
12 kV = rated surge voltage  
3 = pollution degree  
(see Full Line Catalog, Volume 1, Section 14)
- ② Strip length, see packaging or instructions.

Item No.	Pack. Unit	Item No.	Pack. Unit
<b>2-conductor through terminal block with screw flanges</b>		<b>2-conductor through terminal block with screw flanges</b>	
gray	285-1161 4	dark gray/yellow	285-1167 4
blue	285-1164 4		

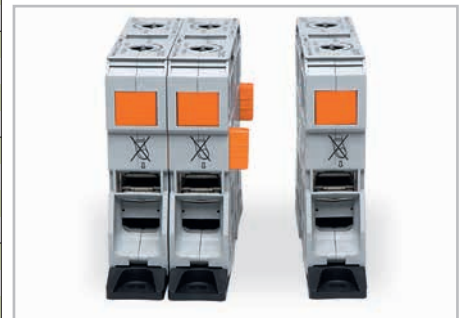
#### Accessories

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

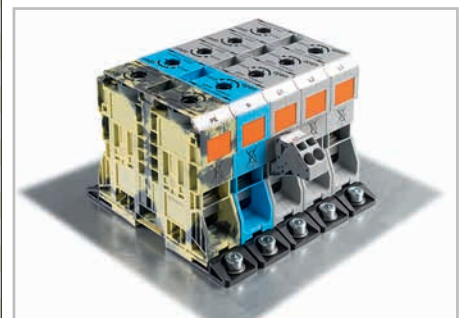
<b>Adjacent jumper, insulated,</b> I <sub>N</sub> 309 A for 1 jumper gray 285-1171 25	<b>WMB Inline, plain,</b> stretchable 5 ... 5.2 mm, 1,500 WMB markers, 5 mm, on roll white 2009-115 1
<b>Fixing element,</b> for 185 mm <sup>2</sup> high-current terminal blocks orange 285-1179 25	<b>Marking strip, plain,</b> 11 mm wide, 50 m roll white 2009-110 1
<b>Protective warning marker,</b> with high-voltage symbol, black yellow 285-1177 50 (2x25)	<b>WMB Multi marking system,</b> 10 strips with 10 markers per card, for terminal widths 5 ... 17.5 mm plain 793-501 5
<b>Finger guard,</b> touchproof cover protects unused conductor entries and jumper slots yellow 285-1178 25	<b>WMB Multi marking system,</b> 10 strips with 10 markers per card, stretchable 5 ... 5.2 mm plain 793-501 5
<b>Power tap, I<sub>N</sub> 24 A,</b> for terminal blocks 185 mm <sup>2</sup> gray 285-1175 5	
<b>Allen wrench with partially insulated shaft</b> 285-172 1	



Optionally, insert fixing element (285-1179) into housing slot.




Align and snap high-current through terminal blocks together.







Secure terminal block to mounting plate using two M8 cylinder-head screws and appropriate washers.

# Power Tap 10 (16) mm<sup>2</sup> for 185 mm<sup>2</sup> High-Current Terminal Blocks 285 Series

0.2 ... 10 (16) mm<sup>2</sup> | AWG 24 ... 8  
1000 V/8 kV/3 ①  
I<sub>N</sub> 57 A  
Module width 20 mm / 0.787 in.  
 12 ... 13 mm / 0.49 in. ②



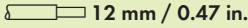
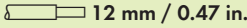
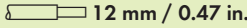
- ① 1000 V = rated voltage  
8 kV = rated surge voltage  
3 = pollution degree  
(see Full Line Catalog, Volume 1, Section 14)
- ② Strip length, see packaging or instructions.

Item No.	Pack. Unit	
<b>Power tap, for 185 mm<sup>2</sup> high-current terminal blocks</b>		
 gray	285-1175	5
<b>Item-Specific Accessories</b>		
<b>Protective warning marker,</b>		
	with high-voltage symbol, black, for 5 terminal blocks yellow	284-415 50 (2x25)
<b>WMB Multi marking system,</b>		
	10 strips with 10 markers per card, for terminal widths 5 ... 17.5 mm plain	793-501 5
<b>WMB Multi marking system,</b>		
	10 strips with 10 markers per card, stretchable 5 ... 5.2 mm plain	793-5501 5



Tapping directly into the power supply

# PUSH WIRE® Connectors for Junction Boxes and Solid Conductors up to 4 mm<sup>2</sup> 773 Series

<p>1.5 ... 4 mm<sup>2</sup> "s" 400 V/4 kV/2 I<sub>N</sub> 32 A</p> 	<p>1.5 ... 4 mm<sup>2</sup> "s" 400 V/4 kV/2 I<sub>N</sub> 32 A</p> 	<p>1.5 ... 4 mm<sup>2</sup> "s" 400 V/4 kV/2 I<sub>N</sub> 32 A</p> 
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Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Item No.	Pack. Unit
PUSH WIRE® connector for junction boxes and solid conductors up to 4 mm <sup>2</sup> , 2-conductor connector, transparent brown housing, white cover		PUSH WIRE® connector for junction boxes and solid conductors up to 4 mm <sup>2</sup> , 4-conductor connector, transparent brown housing, red cover		PUSH WIRE® connector for junction boxes and solid conductors up to 4 mm <sup>2</sup> , 6-conductor connector, transparent brown housing, brown cover		
<b>773-602</b>	100		<b>773-604</b>	100	<b>773-606</b>	50

## 773 Series Accessories

### Syringe



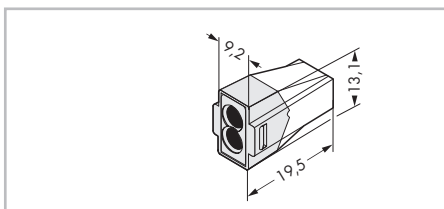
contents: 20 ml "Alu-Plus" contact paste

**249-130** 20 (4x5)

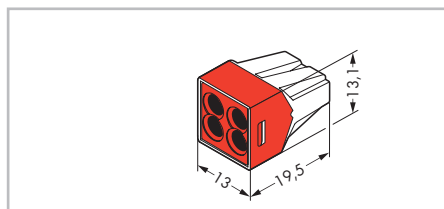
### Mounting carrier



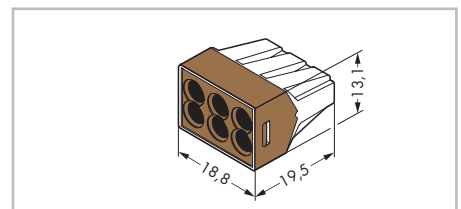
orange **773-332** 50 (5x10)



Dimensions in mm



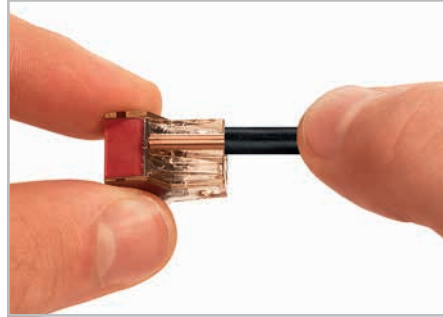
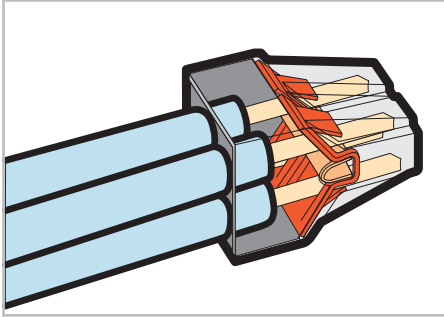
Dimensions in mm



Dimensions in mm

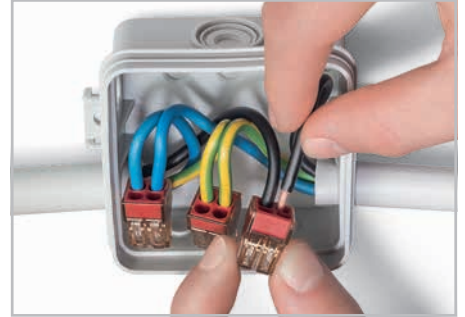
# PUSH WIRE® Connectors for Junction Boxes, 773 Series – Description and Installation –

### Stripped length



Strip solid conductor to 12 mm.

### PUSH WIRE® connection



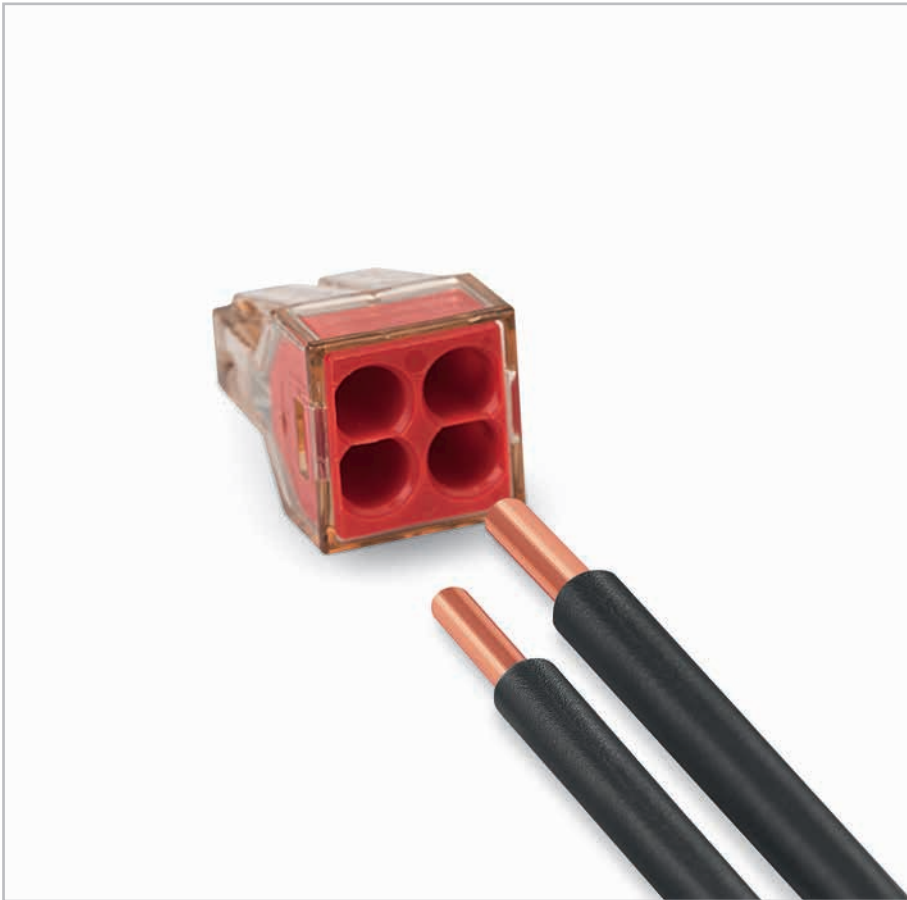
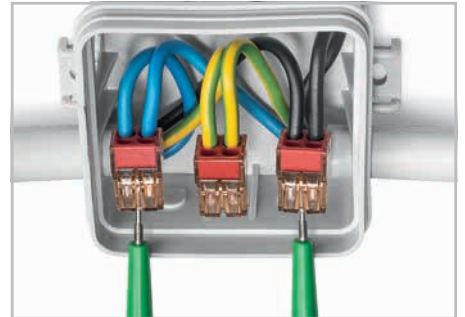
Termination: Insert stripped, solid conductor fully.

### PUSH WIRE® connection



Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector out.

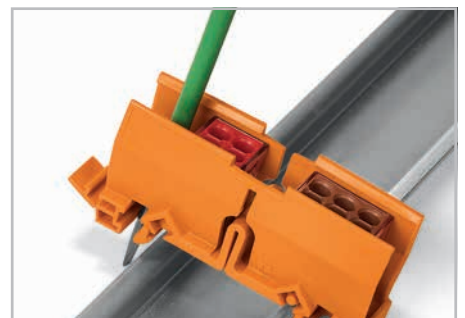
### Testing



Cover use as end plate.



Snapping on to carrier rail.



Removing from the carrier rail.

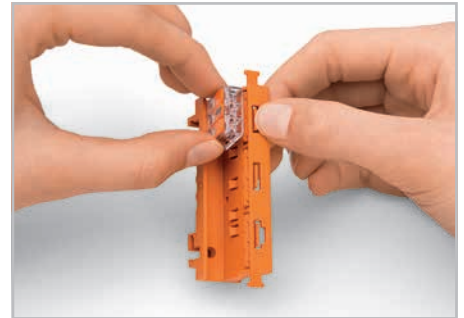
## Types of Assembly Mounting Carrier 221 Series



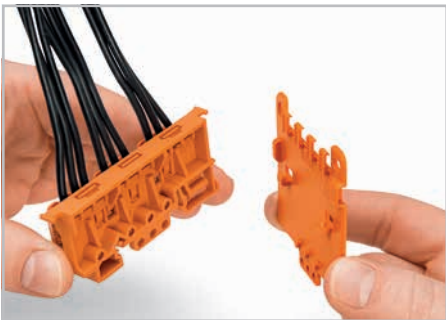
Inserting connectors into the mounting carriers.



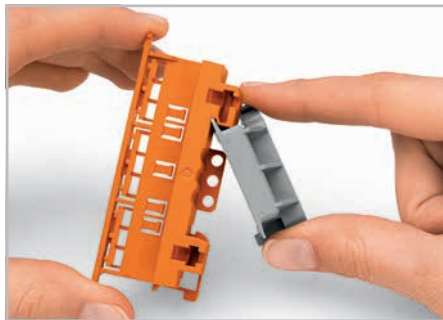
Removing connectors from the mounting carrier.



Removing splicing connector from the mounting carrier.



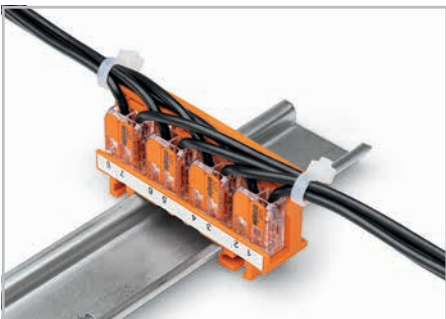
Mounting of strain relief plate (222-505) to the mounting carrier.



Snapping the angled DIN-rail adapter on the mounting carrier.



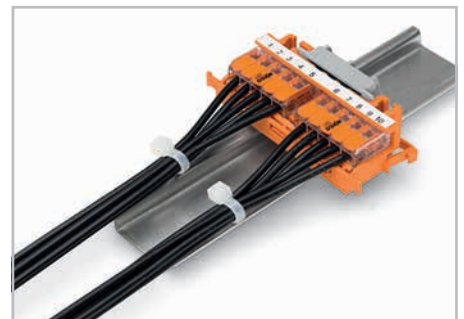
Testing connectors via test slots on top of the carrier.



Strain relief by cable tie on the carrier, transverse to the connector's wiring direction. Molded marking clamping units.



Vertical mounting with strain relief plate on DIN 35 rail. Marking clamping units via marker strips.



Horizontal mounting on DIN 35 rail using angled DIN-rail adapter.



Horizontal mounting with strain relief plate on DIN 35 rail using angled DIN-rail adapter.




Mounting carrier with strain relief plate mounted vertically on a plate. Round cable fixed via strain relief lug.



Horizontal mounting with strain relief plate on level surfaces. Marking clamping units via marker strips (210-334).



# Matrix Patchboard with Push-Buttons, 32-Pole – Slimline Version, for 19" Racks 726 Series

Side 1: 32 x 0.08 ... 1.5 mm<sup>2</sup> AWG 28 ... 16  
 Side 2: 32 x 0.08 ... 1.5 mm<sup>2</sup> AWG 28 ... 16  
 800 V/8 kV/3 ①  
 I<sub>N</sub> 10 A  
 10 mm / 0.39 in.

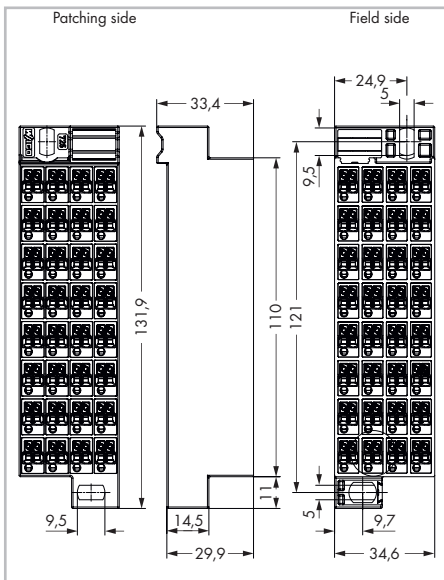


- ① 800 V = rated voltage  
8 kV = rated surge voltage  
3 = pollution degree

(see Full Line Catalog, Volume 1, Section 14)

- ② See application notes in Full Line Catalog, Volume 1, for: Decade marker carrier, page 416

Item No.	Pack. Unit		Matrix Patchboard Accessories
<b>Matrix patchboard</b> , dark gray frame, colors of modules gray/ white, numbering of modules 2 arranged vertically plain	<b>726-770</b>	20	
			<b>Wire commoning chain</b> , insulated, 31 connections, I <sub>N</sub> 6 A, max. 50 V, 0.5 mm <sup>2</sup> gray <b>709-107</b> 1
			<b>WMB Inline</b> , plain, stretchable 5 ... 5.2 mm, 1,500 WMB markers, 5 mm, on roll white <b>2009-115</b> 1
			<b>Marking strip</b> , plain, 11 mm wide, 50 m roll white <b>2009-110</b> 1
			<b>WMB Multi marking system</b> , 10 strips with 10 markers per card, stretchable 5 ... 5.2 mm plain <b>793-5501</b> 5
			<b>WMB Multi marking system</b> , plain, 10 strips with 10 markers per card, stretchable 5 ... 5.2 mm yellow <b>793-5501/000-002</b> red <b>793-5501/000-005</b> blue <b>793-5501/000-006</b> gray <b>793-5501/000-007</b> orange <b>793-5501/000-012</b> light green <b>793-5501/000-017</b> green <b>793-5501/000-023</b> violet <b>793-5501/000-024</b> 5
			<b>Decade marker carrier</b> , ② for matrix patchboards dark gray <b>726-905</b> 10
			<b>Operating tool with partially insulated shaft</b> , type 1, (2.5 x 0.4) mm blade <b>210-719</b> 1
			<b>Test probe</b> , 2 mm Ø, up to 12 mm long, free test probe, not offered by WAGO (for example mfd by Multi-Contact XPP-80/2-16)

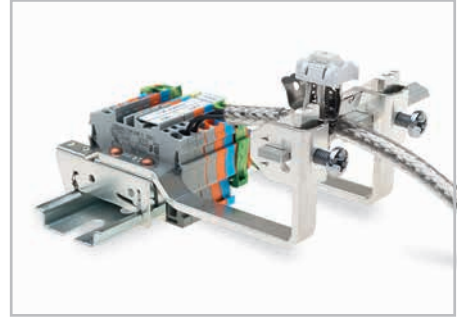


Dimensions in mm



# Busbar Carriers with T-Connector (Flexible) and T-Connector 790 Series

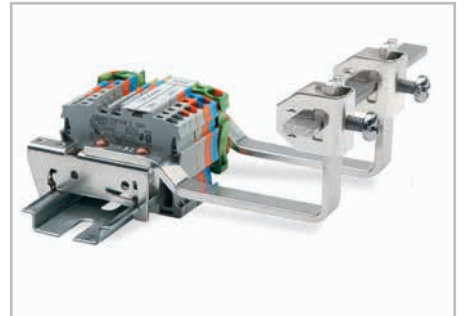
Busbar carriers with T-connector, flexible	T-connector
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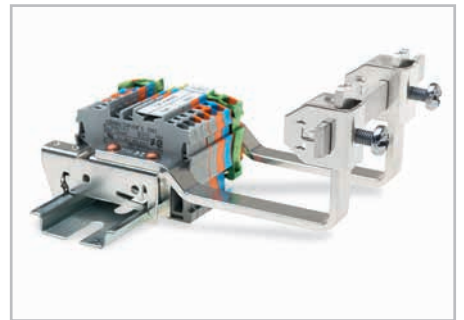
Application example



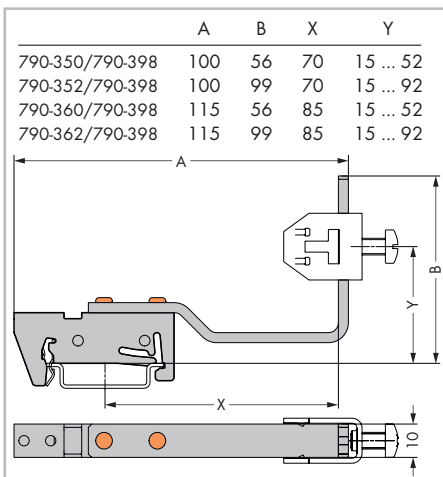
Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Busbar carrier with T-connector, flexible,</b> for busbars Cu 10 mm x 3 mm, distance between center of DIN-rail and busbar carrier: 70 mm, height: 56 mm		<b>T-connector,</b> connects two (10 x 3) mm copper busbars	
<b>790-350/790-398</b>	12	<b>790-398</b>	10
<b>Busbar carrier with T-connector, flexible,</b> for busbars Cu 10 mm x 3 mm, distance between center of DIN-rail and busbar carrier: 70 mm, height: 99 mm			
<b>790-352/790-398</b>	12		
<b>Busbar carrier with T-connector, flexible,</b> for busbars Cu 10 mm x 3 mm, distance between center of DIN-rail and busbar carrier: 85 mm, height: 56 mm			
<b>790-360/790-398</b>	12		
<b>Busbar carrier with T-connector, flexible,</b> for busbars Cu 10 mm x 3 mm, distance between center of DIN-rail and busbar carrier: 85 mm, height: 99 mm			
<b>790-362/790-398</b>	12		



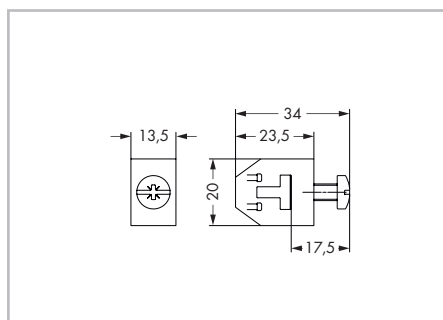
Horizontal mounting position of the busbar



Vertical mounting position of the busbar



Dimensions in mm



Dimensions in mm

<p>Shield clamping saddle diameter of compatible conductor 3 ... 8 mm</p>	<p>Shield clamping saddle diameter of compatible conductor 5 ... 16 mm</p>	<p>Shield clamping saddle diameter of compatible conductor 5 ... 20 mm</p>
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Shield clamping saddle,</b> 12.4 mm wide		<b>Shield clamping saddle,</b> 21.8 mm wide		<b>Shield clamping saddle,</b> 30 mm wide	
<b>Note:</b> Cannot be used for connecting ground conductors and strain relief.		<b>Note:</b> Cannot be used for connecting ground conductors and strain relief.		<b>Note:</b> Cannot be used for connecting ground conductors and strain relief.	
<b>790-208</b>	50	<b>790-216</b>	25	<b>790-220</b>	25

### Accessories for Shield Clamping Saddles

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

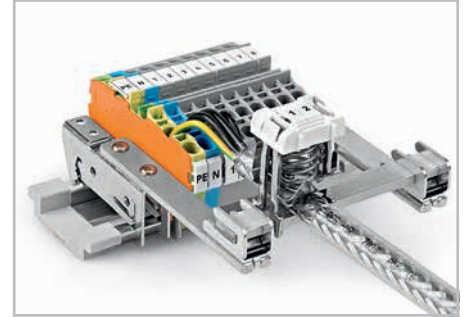
<b>Busbar carrier, straight,</b> for busbars Cu 10 mm x 3 mm <b>790-300</b>	10	<b>Busbar carrier, straight, angled,</b> for busbars Cu 10 mm x 3 mm <b>790-301</b>	10	<b>Carrier with 2 grounding feet,</b> parallel to the rail, Cu 10 x 3 mm, 125 mm long <b>790-115</b>	25
<b>Carrier rail, with special perforations, tin-plated,</b> 1000 mm long (Special lengths upon request) <b>790-145</b>	1	<b>Spacer sleeve, for specialty slotted carrier rail,</b> use M5-size screw <b>790-144</b>	200 (2x100)		
<b>Busbar, tin-plated,</b> Cu 10 x 3 mm, 1000 mm long <b>210-133</b>	1	<b>Busbar, tin-plated,</b> Cu 10 x 3 mm, 30 mm long <b>790-133</b>	20	<b>Busbar, tin-plated,</b> Cu 10 x 3 mm, 50 mm long <b>790-134</b>	20
<b>U-shaped busbar,</b> Cu 10 x 3 mm, suitable for 750 Series I/O modules for 5 I/O <b>790-190</b>	25 (5x5)	<b>U-shaped busbar,</b> Cu 10 x 3 mm, suitable for 750 Series I/O modules for 8 I/O <b>790-191</b>	25	<b>U-shaped busbar,</b> Cu 10 x 3 mm, suitable for 750 Series I/O modules for 5 I/O <b>790-192</b>	25
<b>U-shaped busbar,</b> Cu 10 x 3 mm, suitable for 750 Series I/O modules for 8 I/O <b>790-193</b>	25	<b>Insulated mounting foot,</b> for busbar with screw M4 x 8 mm gray <b>790-100</b>	50 (2x25)	<b>Insulated mounting foot,</b> for busbar with sheet metal screw (3.5 x 9) mm gray <b>790-101</b>	50 (2x25)

Item No.	Dimensions in mm				
	A	B	C	D	E*
790-208	30	29.9	8	12.4	25.8
790-216	34.6	28.3	16	21.8	30.2
790-220	45.6	28.3	24	30	41.2

\*Height with WMB marker



Shield clamping saddles are available in three different sizes for shield diameters ranging from 3 ... 20 mm.



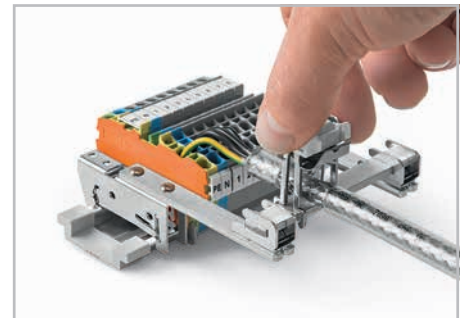
Application example



Compress the clamping saddle until fully engaged.



Mount the clamping saddle onto the 10 x 3 mm busbar.



Push the lateral actuating elements to release the spring and secure the clamping saddle on the busbar. When releasing the saddle, do not place your finger under the clamping spring!



Mounting on specialty slotted carrier rail (790-145)



Labeling with marking strips



Labeling with WMB markers



# Contents Volume 2



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<b>THR PCB Terminal Blocks with Push-Buttons</b> 0.75 mm <sup>2</sup> , 4 mm Pin Spacing, White and Black	<b>2060 Series</b>	<b>28</b>
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<b>THR PCB Terminal Blocks with Push-Buttons</b> 0.75 mm <sup>2</sup> , 8 mm Pin Spacing, White and Black	<b>2060 Series</b>	<b>30</b>
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<b>Board-to-Board Links for SMD PCB Terminal Blocks with Push-Buttons,</b> Pin Spacing: 4 mm, 8 mm, White	<b>2060 Series</b>	<b>32</b>
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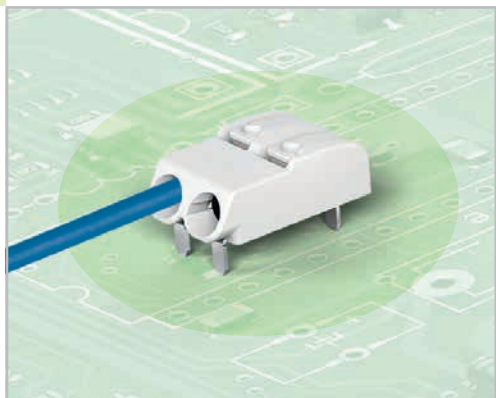
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<b>THR PCB Terminal Blocks 1.5 mm<sup>2</sup>,</b> 6 mm Pin Spacing, White and Black	<b>2061 Series</b>	<b>34</b>
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# 1 THR PCB Terminal Blocks with Push-Buttons, 0.75 mm<sup>2</sup> Pin Spacing: 4 mm 2060 Series



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

**Technical data:**

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

**Conductor data:**

Connection technology	Push-in CAGE CLAMP®
Conductor size: solid	0.2 ... 0.75 mm <sup>2</sup>
Conductor size: fine-stranded	0.2 ... 0.75 mm <sup>2</sup>
Conductor size: fine-stranded	0.25 ... 0.34 mm <sup>2</sup> (with insulated ferrule)
Conductor size: fine-stranded	0.25 ... 0.34 mm <sup>2</sup> (with uninsulated ferrule)
AWG	24 ... 18
Strip length	6 ... 7 mm / 0.24 ... 0.28 in.
Conductor entry angle	0° to PCB
Solder pin: length/width	2.4 mm / 1.2 x 0.75 mm
Solder pin: metal-plated hole	1.5 <sup>+0.1</sup> mm Ø
Outer diameter of metal-plated PCB hole	min. 2.4 mm

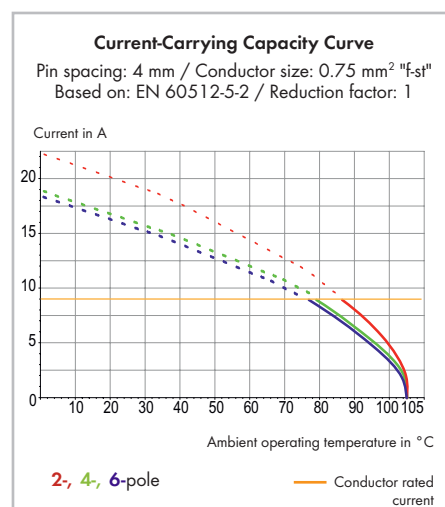
**Material data:**

Material group	I
Insulating 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 notes:**

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.

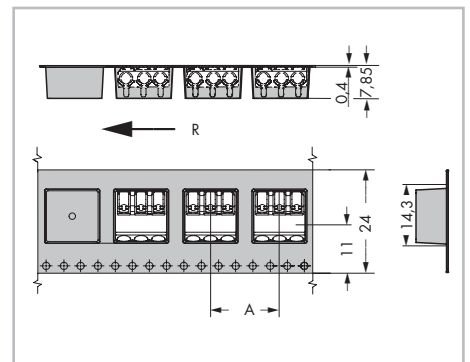
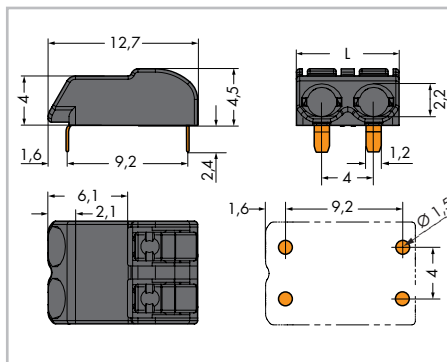
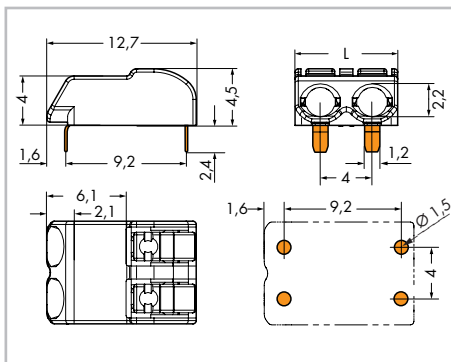
Recommendation for stencil: Material thickness, 150 µm.  
The stencil hole diameter is identical to the outer diameter of the metal-plated PCB hole.



**2060 Series accessories: Volume 2/Pages:**

Operating tool (206-860)	218
Operating tool (2060-189)	218

Pin spacing: 4 mm / 0.157 in.		Pin spacing: 4 mm / 0.157 in.		
0.2 ... 0.75 mm <sup>2</sup>	24 ... 18 AWG	0.2 ... 0.75 mm <sup>2</sup>	24 ... 18 AWG	
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	Pole No.	Item No.	Pack. Unit
THR PCB terminal blocks with push-buttons in tape-and-reel packaging, <b>white*</b>			THR PCB terminal blocks with push-buttons in tape-and-reel packaging, <b>black</b>		
1	2060-1451/998-404	10800 (9 x 1200)	1	2060-1471/998-404	10800 (9 x 1200)
2	2060-1452/998-404	6750 (9 x 750)	2	2060-1472/998-404	6750 (9 x 750)
3	2060-1453/998-404	4950 (9 x 550)	3	2060-1473/998-404	4950 (9 x 550)
Reel diameter: 330 mm			Reel diameter: 330 mm		



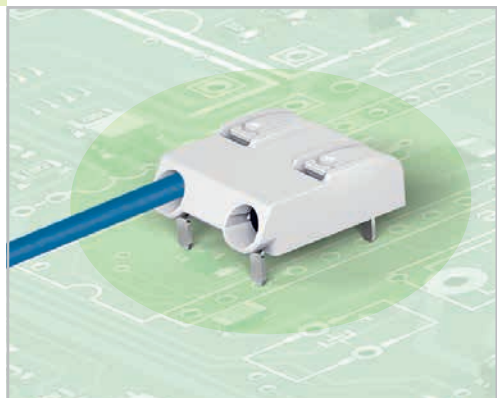
Inserting solid conductors via push-in termination.



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

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

# THR PCB Terminal Blocks with Push-Buttons, 0.75 mm<sup>2</sup> Pin Spacing: 8 mm 2060 Series



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

### Technische Daten

Rastermaß	8 mm 0.314 in.		
Ratings per	IEC/EN 60664-1		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	400 V	630 V	1000 V
Rated surge voltage	6 kV	6 kV	6 kV
Nominal current	9 A	9 A	9 A
Approvals per	UL 1977		
Rating voltage	600 V*		
Nominal current UL	9 A*		

### Conductor data:

Connection technology	Push-in CAGE CLAMP®
Conductor size: solid	0.2 ... 0.75 mm <sup>2</sup>
Conductor size: fine-stranded	0.2 ... 0.75 mm <sup>2</sup>
Conductor size: fine-stranded	0.25 ... 0.34 mm <sup>2</sup> (with insulated ferrule)
Conductor size: fine-stranded	0.25 ... 0.34 mm <sup>2</sup> (with uninsulated ferrule)
AWG	24 ... 18
Strip length	6 ... 7 mm / 0.24 ... 0.28 in.
Conductor entry angle	0° to PCB
Solder pin: length/width	2.4 mm / 1.2 x 0.75 mm
Solder pin: metal-plated hole	1.5 <sup>+0.1</sup> mm Ø
Outer diameter of metal-plated PCB hole	min. 2.4 mm

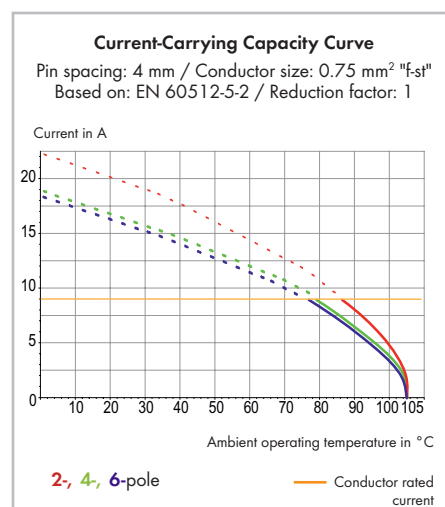
### Material data:

Material group	I
Insulating 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 notes:

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

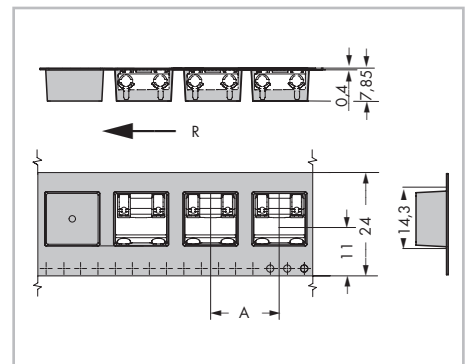
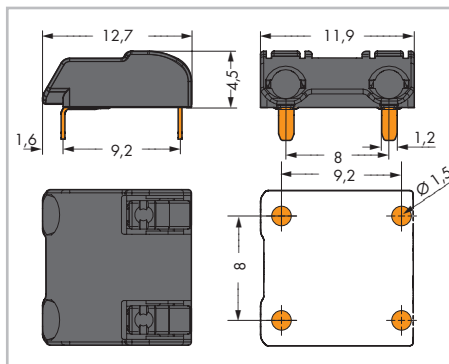
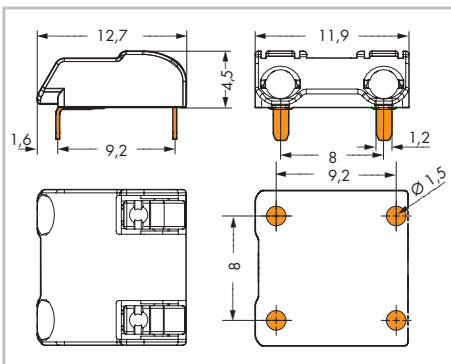


### 2060 Series accessories: Volume 2/Pages:

Operating tool (206-860)	218
Operating tool (2060-189)	218



Pin spacing: 8 mm / 0.314 in.		Pin spacing: 8 mm / 0.314 in.		
0.2 ... 0.75 mm <sup>2</sup>	24 ... 18 AWG	0.2 ... 0.75 mm <sup>2</sup>	24 ... 18 AWG	
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	Pole No.	Item No.	Pack. Unit
THR PCB terminal blocks with push-buttons in tape-and-reel packaging, <b>white*</b>			THR PCB terminal blocks with push-buttons in tape-and-reel packaging, black		
2	2060-1852/998-404	4950 (9 x 550)	2	2060-1872/998-404	4950 (9 x 550)
Reel diameter: 330 mm			Reel diameter: 330 mm		



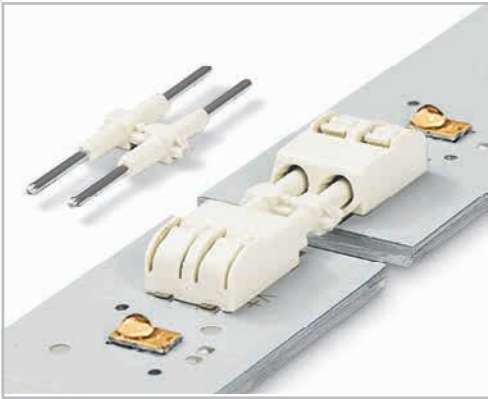
Inserting solid conductors via push-in termination.



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

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

## Board-to-Board Links for SMD PCB Terminal Blocks with Push-Buttons, 0.75 mm<sup>2</sup>, Pin Spacing: 4 mm, 8 mm 2060 Series



- Board-to-board link simplifies in-line assembly of LED modules
- Easy push-in termination and disconnection without push-button actuation
- New: **White** board-to-board links compatible with 2060 Series SMD Terminal Blocks (see Full Line Catalog 2015, Volume 2, pages 210-213)

### Technical data:

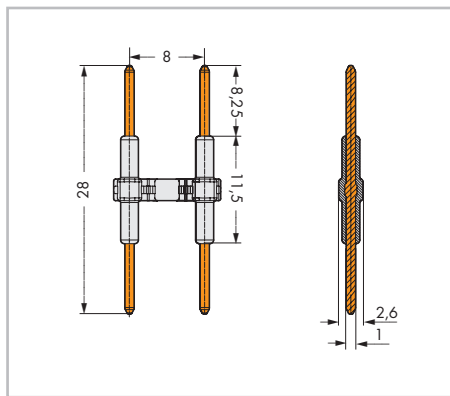
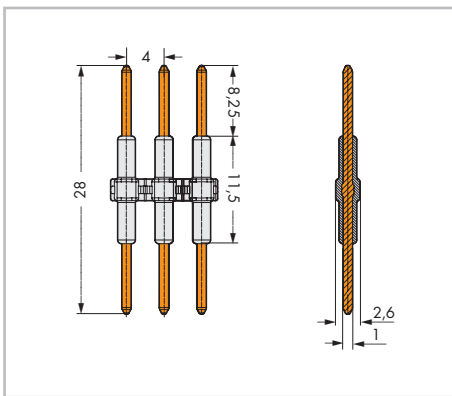
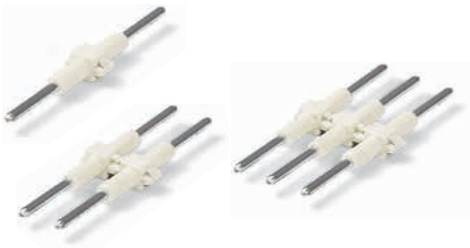
Pin Spacing	4 mm 0.157 in.			8 mm 0.314 in.			
	IEC/EN 60664-1			IEC/EN 60664-1			
Ratings per	IEC/EN 60664-1			IEC/EN 60664-1			
Overtoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	63 V	160 V	320 V	400 V	630 V	1000 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	6 kV	6 kV	6 kV	
Nominal current	9 A	9 A	9 A	9 A	9 A	9 A	
Approvals per	UL/CSA*			UL/CSA*			
Rated voltage	250 V			600 V			
Nominal current UL	9 A			9 A			

### Material data:

Material group	I
Insulating 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

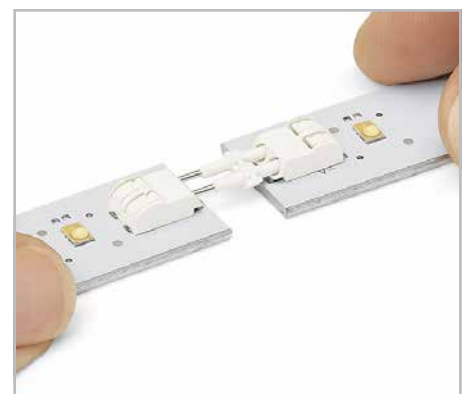
# Board-to-Board Links for SMD PCB Terminal Blocks with Push-Buttons, 0.75 mm<sup>2</sup>

Pin spacing: 4 mm / 0.157 in.		Pin spacing: 8 mm / 0.314 in.	
160 V/2.5 kV/2 9 A	250 V/9 A	630 V/6 kV/2 9 A	600 V/9 A

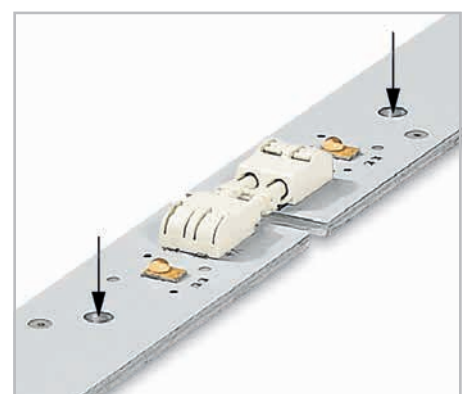
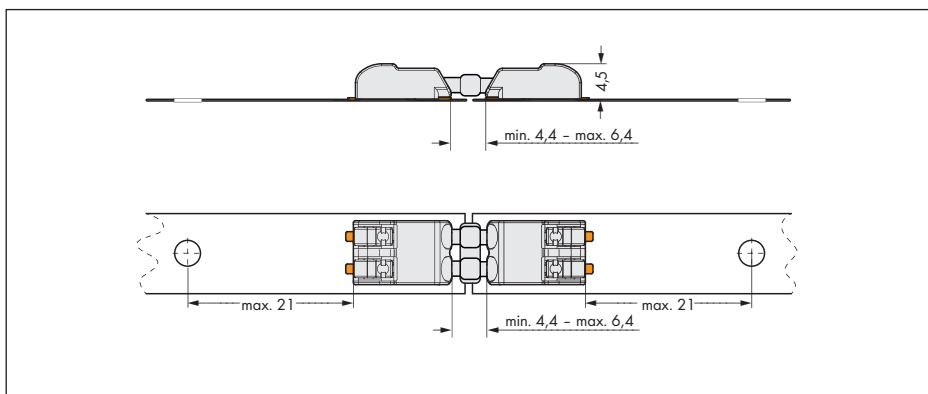


Inserting board-to-board link into terminal block.

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Board-to-board link for SMD PCB terminal blocks with push-buttons, white			Board-to-board link for SMD PCB terminal blocks with push-buttons, white		
1	2060-951/028-000	1500			
2	2060-952/028-000	500	2	2060-962/028-000	375
3	2060-953/028-000	375			
4	2060-954/028-000	250			

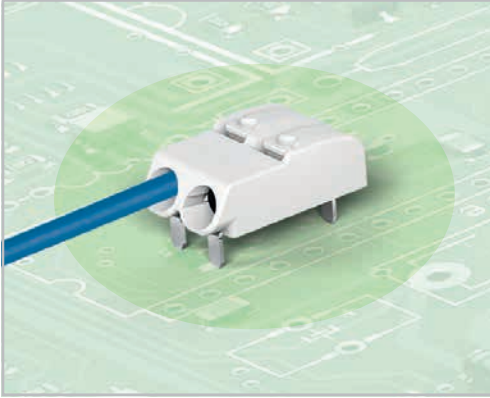


Assembly: Place PCBs on a flat surface and insert links into terminal blocks on adjoining PCBs. Disassembly: Pull PCBs apart. (max. 10 connections/disconnections)



The PCBs must be secured (see figure left).

# THR PCB Terminal Blocks with Push-Buttons, 1.5 mm<sup>2</sup> Pin Spacing: 6 mm 2061 Series



- THR PCB terminal blocks with Push-in CAGE CLAMP® and push-buttons
- Push-in termination of solid and ferruled conductors
- Push-buttons simplify termination/removal of all conductor types
- Just 5.6 mm tall
- Available in tape-and-reel packaging for automated assembly
- Also suitable for wave soldering
- Arrange groups of terminal blocks without pole loss

**Technical data:**

<b>Pin Spacing</b>	<b>6 mm / 0.24 in.</b>			
<b>Ratings per</b>	<b>IEC/EN 60664-1</b>			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	320 V	630 V	
Rated impulse voltage	4 kV	4 kV	4 kV	
Nominal current	17.5 A	17.5 A	17.5 A	

**Conductor data:**

Connection technology	CAGE CLAMP® S
Conductor size: solid	0.5 ... 1.5 mm <sup>2</sup>
Conductor size: fine-stranded	0.5 ... 1.5 mm <sup>2</sup>
Conductor size: fine-stranded	0.5 ... 0.75 mm <sup>2</sup> (with insulated ferrule)
Conductor size: fine-stranded	0.5 ... 0.75 mm <sup>2</sup> (with uninsulated ferrule)
AWG	20 ... 16
Strip length	7 ... 10 mm / 0.28 ... 0.39 in.
Conductor entry	0° to PCB
Solder pin: length/width	2.4 mm / 1.2 x 0.35 mm
Solder pin: length/width	1.5 mm / 1.2 x 0.35 mm
Solder pin: metal-plated hole	1.5 <sup>+0.1</sup> mm Ø
Outer diameter of metal-plated PCB hole	min. 2.4 mm

**Material data:**

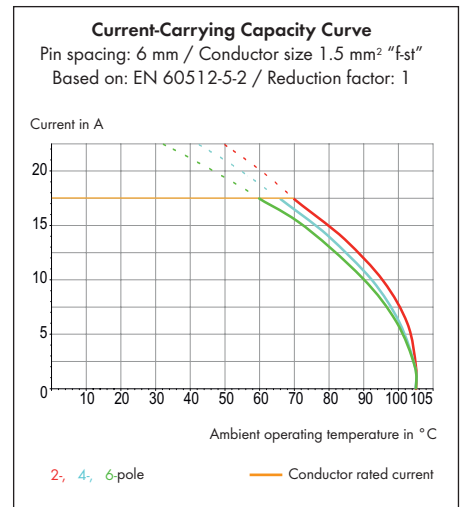
Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

**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, soldering machine type, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Recommendation for stencil: 150µm material thickness

The stencil hole diameter is identical to the outer diameter of the metal-plated PCB hole.

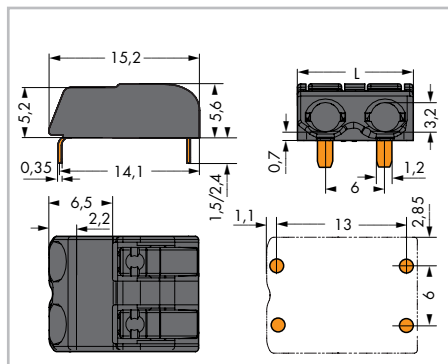
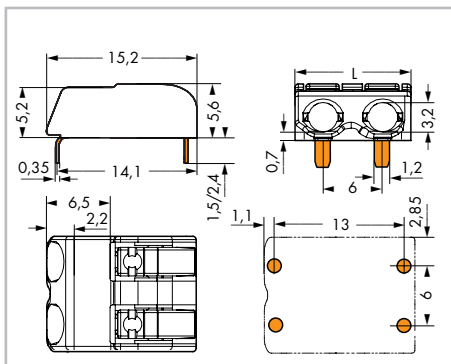


**2061 Series accessories:**

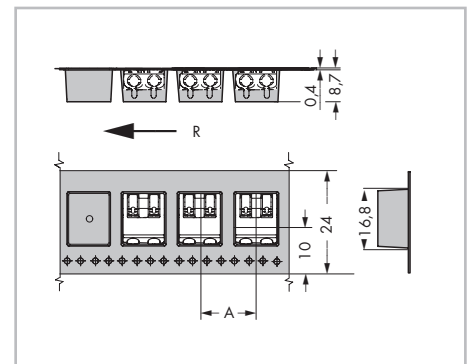
**Volume 2/Page:**

Operating tool (206-861)	218
Operating tool (2061-189)	218

<b>Pin spacing: 6 mm / 0.24 in.</b>  0.5 ... 1.5 mm <sup>2</sup>   20 ... 16 AWG 320 V/4 kV/2 17.5 A		<b>Pin spacing: 6 mm / 0.24 in.</b>  0.5 ... 1.5 mm <sup>2</sup>   20 ... 16 AWG 320 V/4 kV/2 17.5 A	
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L = (pole no. x pin spacing) - 0.3 mm



R = Feed direction  
 A = 12 mm (1-pole)  
 A = 16 mm (2-pole)  
 A = 24 mm (3-pole)

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
<b>THR PCB terminal block with push-buttons in tape-and-reel packaging, white*</b> Solder pin length: 2.4 mm			<b>THR PCB terminal block with push-buttons in tape-and-reel packaging, black</b> Solder pin length: 2.4 mm		
1	2061-1601/998-404	5760 (9 x 640)	1	2061-1621/998-404	5760 (9 x 640)
2	2061-1602/998-404	4320 (9 x 480)	2	2061-1622/998-404	4320 (9 x 480)
3	2061-1603/998-404	2880 (9 x 320)	3	2061-1623/998-404	2880 (9 x 320)
Solder pin length: 1.5 mm			Solder pin length: 1.5 mm		
1	2061-1641/998-404	5760 (9 x 640)	1	2061-1661/998-404	5760 (9 x 640)
2	2061-1642/998-404	4320 (9 x 480)	2	2061-1662/998-404	4320 (9 x 480)
3	2061-1643/998-404	2880 (9 x 320)	3	2061-1663/998-404	2880 (9 x 320)
Reel diameter: 330 mm			Reel diameter: 330 mm		

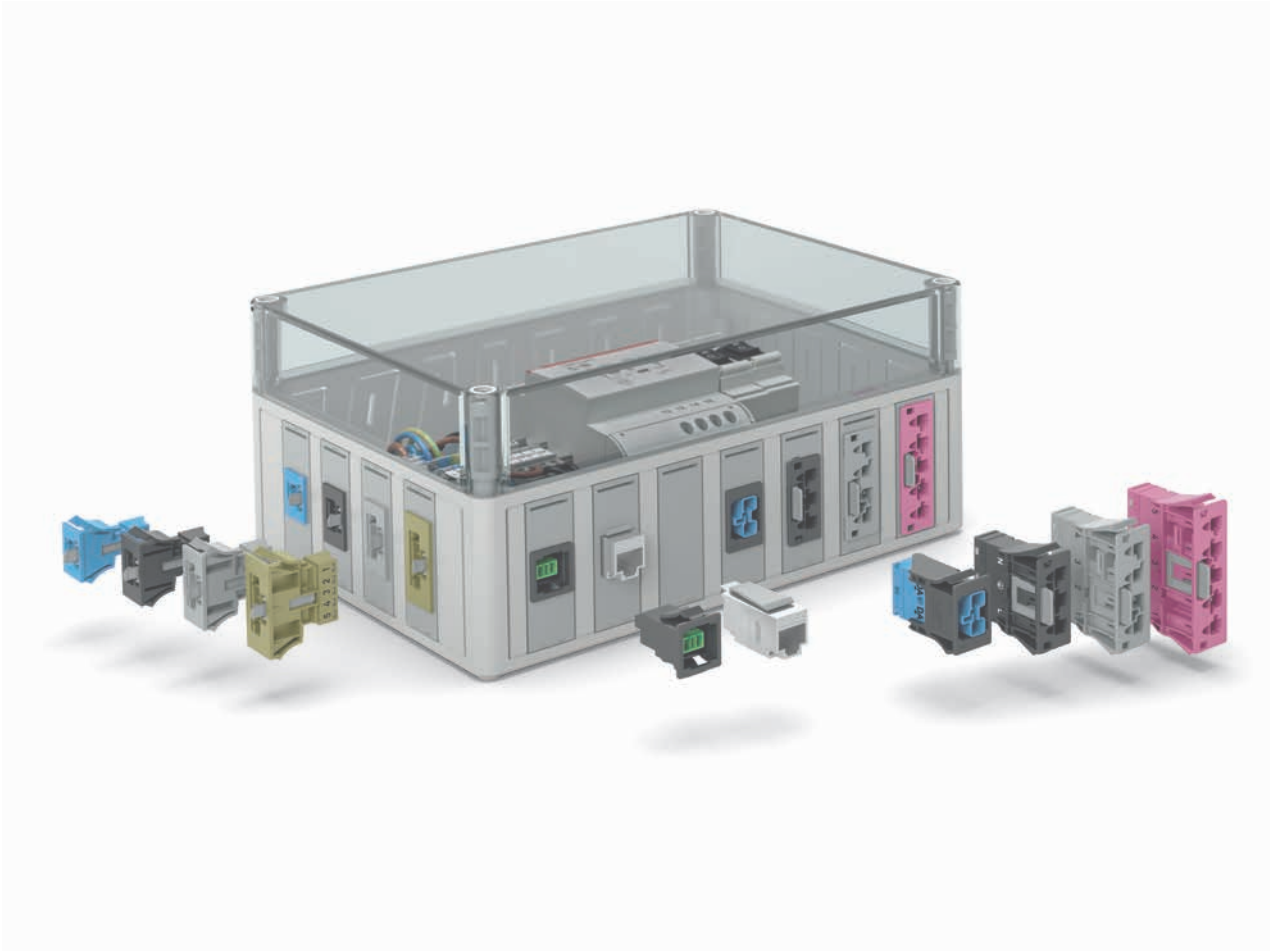


Inserting solid conductors via push-in termination.








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. These deviations will have no impact on functionality.



# Contents Volume 5

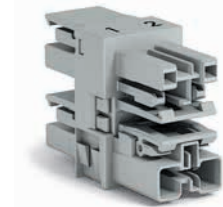
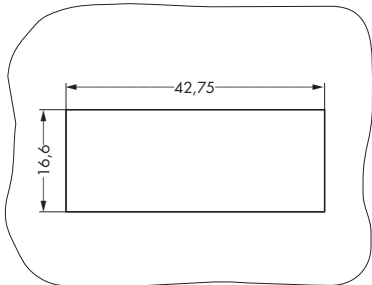
	<b>WINSTA® MINI</b> Locking Levers, Manually Operated	890 Series	38
	<b>WINSTA® MINI</b> Intermediate Couplers, 4-Pole	890 Series	38
	<b>WINSTA® MIDI</b> Snap-In Frames, 4-Pole	770 Series	39
	<b>WINSTA® MIDI special</b> Distribution Connectors, 2-Pole	770 Series	39
	<b>WINSTA® System Box</b> For Greater Building Technology Diversity	899 Series	40








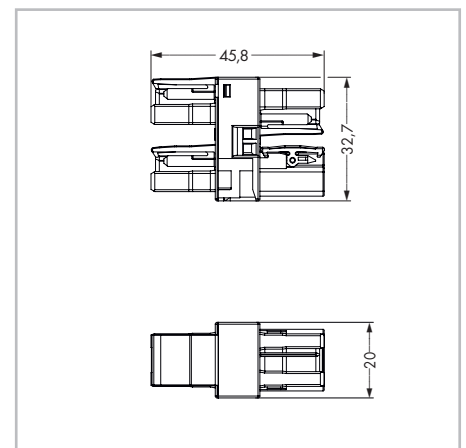
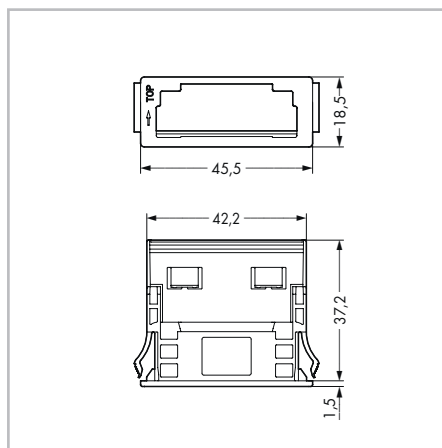
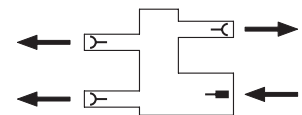
# WINSTA® MIDI/MIDI special Snap-In Frames, 4-pole Distribution Connectors, 2-pole

<b>Cutout dimensions</b>  Plate thickness: 0.5 ... 3 mm Cutout tolerance: + 0.1 mm	<b>Snap-in frames</b> – for 4-pole sockets and plugs	<b>Distribution connectors</b> 250 V/4 kV/3 $I_N$ 25 A  ① Approvals
---	---	---



Description	Farbe	BestellNr.	VPE	Color	Item No.	Pack. Unit
Snap-in frame, 4-pole	Snap-in frame, 4-pole			Distribution connector, 3-way, 1 x plug/3 x socket		
Distribution connector, 2-pole	● black	770-319	100	● gray	770-1704	50
	○ white	770-339	100	● light green	770-1705	50
				● pink	770-1706	50

Item-Specific Accessories						
						<b>Mounting plate, for distribution connectors</b>  <ul style="list-style-type: none"> <li>● black 770-1626 25</li> <li>○ white 770-1627 25</li> </ul>
						<b>Fixing pin, for mounting plates</b>  <ul style="list-style-type: none"> <li>② black 890-601 250</li> <li>③ black 770-601 250</li> </ul>
						<b>Lockout cap, for socket, separable, 12-pole</b>  <ul style="list-style-type: none"> <li>● black 770-201 100</li> <li>○ white 770-221 100</li> </ul>
						<b>Dimensions</b>

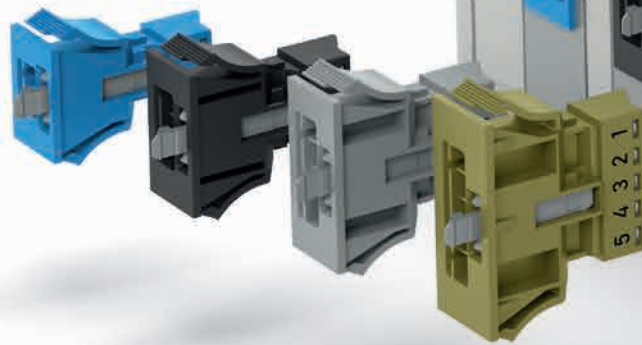


## WINSTA® System Box – For Greater Building Technology Diversity

Building technology is confronting you with growing technical requirements and steadily increasing complexity. WAGO's new WINSTA® System Box provides you with a variety of pluggable and compact electrical installation solutions, including power distribution, control and switching systems. The outputs available on the system box's four sides can be equipped with all WINSTA® Snap-In Connector variants along with an RJ-45 Connector.

### WINSTA® System Box Dimensions:

- Variants with a low cover: 180 mm x 254 mm x 90 mm
- Variants with a high cover: 180 mm x 254 mm x 111 mm
- Variants with hinged cover: 180 mm x 254 mm x 125 mm



WINSTA® MINI,  
2-pole

WINSTA® MINI,  
3-pole

WINSTA® MINI,  
4-pole

WINSTA® MINI,  
5-pole



### The WINSTA® System Box – For Maximum Functionality:

- Customizable equipment and slot number/configuration
- User-defined cover variants provide additional flexibility
- Suitable for DIN-rail-mount components (e.g., circuit breakers, fuses and relays)
- Various mounting options are available

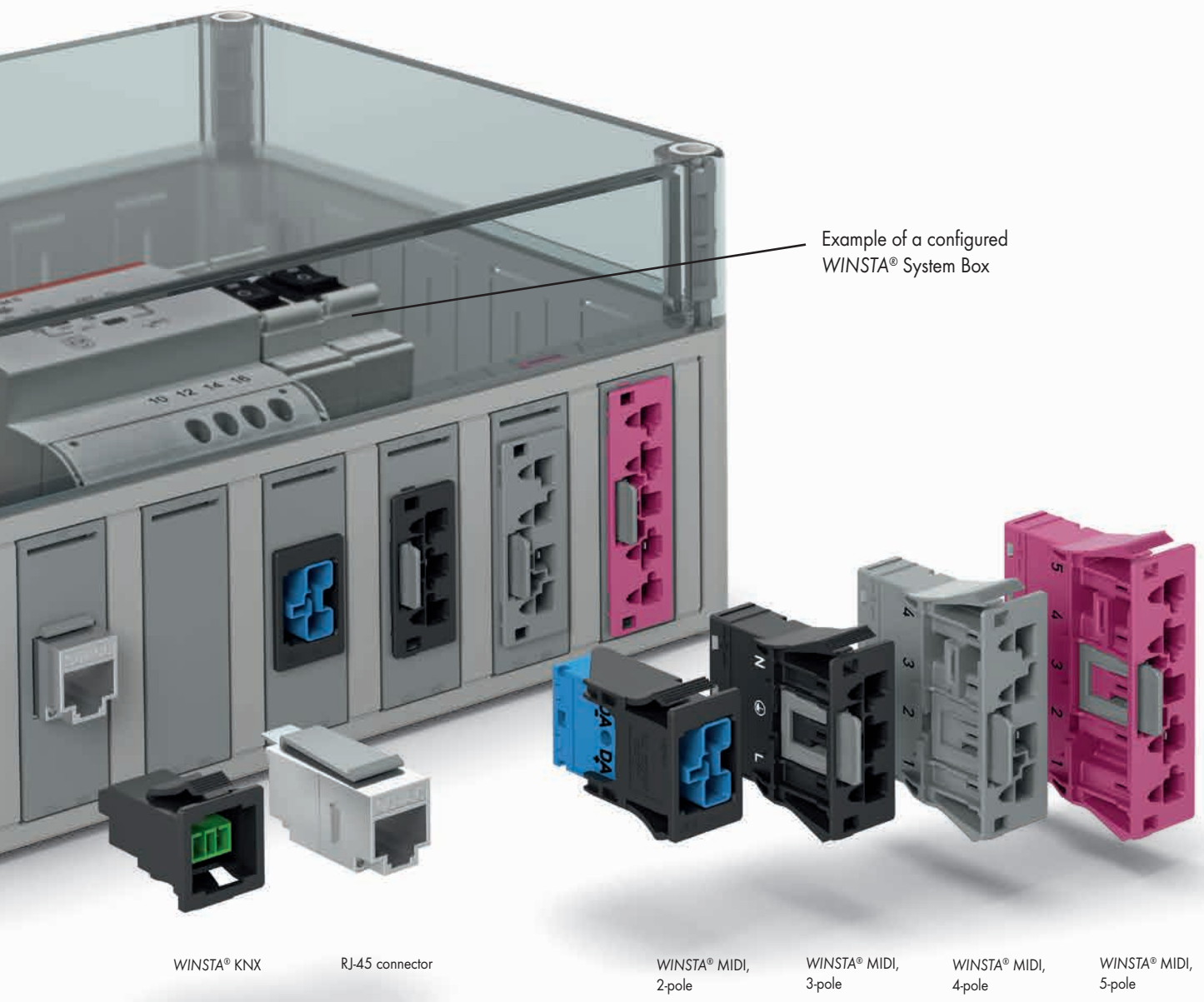
### The WINSTA® System Box – For a Variety of Applications:

- DALI lighting control
- Blind control via SMI bus
- Fuse protection of various circuits
- Single-room controls

### Five Cover Variants – The Right Cover for Every Application:

- Cover with hinged, transparent insert





WINSTA® KNX

RJ-45 connector

WINSTA® MIDI,  
2-pole

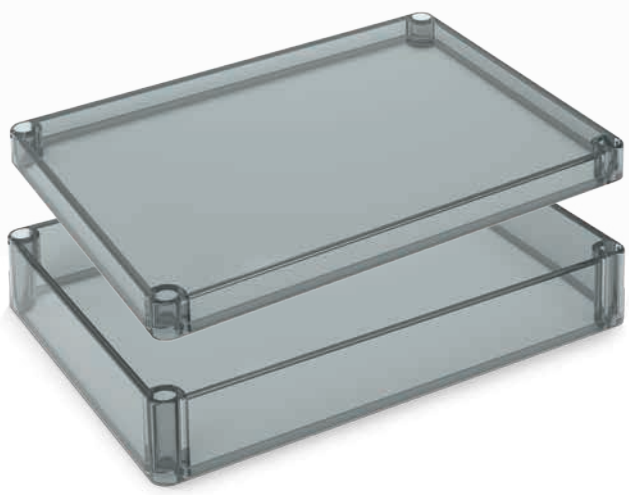
WINSTA® MIDI,  
3-pole

WINSTA® MIDI,  
4-pole

WINSTA® MIDI,  
5-pole

- Transparent covers available in two heights: 18 mm and 39 mm

- Non-transparent covers available in two heights: 18 mm and 39 mm





Self-adhesive marking strips	Type Labels	Shrink tube for conductor marking
------------------------------	-------------	-----------------------------------



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
<b>Marking strip,</b> self-adhesive, plain, 20 m on roll			<b>Labels,</b> plain, 25 x 50 mm, 500 markers on roll			<b>Shrink tube for conductor marking,</b> halogen-free, 2:1 shrink ratio		
Suitable ink ribbon	<b>258-5005</b>	1	○ silver	<b>210-812</b>	1	Suitable ink ribbon	<b>258-5005</b>	1
10 mm wide						20 m on roll		
○ white	<b>210-870</b>	1				2.4 mm Ø, 0.25 ... 0.75 mm <sup>2</sup>		
○ silver	<b>210-871</b>	1				○ white	<b>211-500</b>	1
20 mm wide						● yellow	<b>211-500/000-002</b>	1
○ white	<b>210-872</b>	1				3.2 mm Ø, 0.75 ... 1 mm <sup>2</sup>		
○ silver	<b>210-873</b>	1				○ white	<b>211-501</b>	1
30 mm wide						● yellow	<b>211-501/000-002</b>	1
○ white	<b>210-874</b>	1				4.8 mm Ø, 1 ... 2.5 mm <sup>2</sup>		
○ silver	<b>210-875</b>	1				○ white	<b>211-502</b>	1
46 mm wide						● yellow	<b>211-502/000-002</b>	1
○ white	<b>210-876</b>	1				6.4 mm Ø, 4 ... 6 mm <sup>2</sup>		
● yellow	<b>210-876/000-002</b>	1				○ white	<b>211-503</b>	1
○ silver	<b>210-877</b>	1				● yellow	<b>211-503/000-002</b>	1
99 mm wide, for TP 298+ Thermal Transfer Printer						15 m on roll		
○ white	<b>210-878</b>	1				9.5 mm Ø, 10 ... 16 mm <sup>2</sup>		
○ silver	<b>210-879</b>	1				○ white	<b>211-504</b>	1
Suitable ink ribbon	<b>258-157</b>	1				● yellow	<b>211-504/000-002</b>	1
						12.7 mm Ø, 25 ... 35 mm <sup>2</sup>		
						○ white	<b>211-505</b>	1
						● yellow	<b>211-505/000-002</b>	1
						19 mm Ø, 35 ... 50 mm <sup>2</sup>		
						○ white	<b>211-506</b>	1
						● yellow	<b>211-506/000-002</b>	1

# Item Number Index

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211-502	43	770-1706	39	2000-434	5	2009-180	14
211-502/000-002	43			2000-435	5	2009-182	5
211-503	43	<b>773 Series</b>		2000-436	5		
211-503/000-002	43	773-332	18	2000-437	5	2009-402	5
211-504	43			2000-438	5	2009-404	5
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211-505	43	773-604	18	2000-440	5		
211-505/000-002	43	773-606	18			2009-515	42
211-506	43			2000-510	12		
211-506/000-002	43	<b>790 Series</b>		2000-511	12	2009-615	42
		790-100	24	2000-549	12		
<b>215 Series</b>		790-101	24	2000-552	12		
215-111	5	790-115	24	2000-553	12	<b>2020 Series</b>	
		790-133	24	2000-554	12	2020-100	5
<b>221 Series</b>		790-134	24	2000-555	12	2020-102	5
221-500	21	790-144	24	2000-556	12		
		790-145	24	2000-557	12	2020-202	5
<b>222 Series</b>		790-145	25	2000-558	12		
222-500	21	790-145	25	2000-559	12	2020-1301	5
222-505	21	790-190	24	2000-560	12	2020-1304	5
222-510	21	790-191	24			2020-1307	5
		790-192	24	2000-5310/101-000	10	2020-1307	5
<b>249 Series</b>		790-193	24	2000-5310/102-000	10	2020-1391	5
249-116	5			2000-5310/1101-951	10	2020-1392	5
249-117	5	790-208	24	2000-5311	8		
249-130	18	790-216	24	2000-5311/1101-951	8	<b>2060 Series</b>	
		790-220	24	2000-5311/1102-950	8	2060-951/028-000	33
				2000-5317/101-000	10	2060-952/028-000	33
<b>258 Series</b>				2000-5317/102-000	10	2060-953/028-000	33
258-5005	43	790-300	24	2000-5317/1101-951	10	2060-954/028-000	33
258-5009	42	790-301	24	2000-5352/1102-953	8		
258-5010	42	790-350/790-398	23	2000-5352/1102-953	8	2060-962/028-000	33
		790-352/790-398	23	2000-5357/101-000	10		
		790-360/790-398	23	2000-5357/102-000	10	2060-1451/998-404	29
		790-362/790-398	23	2000-5372	8	2060-1452/998-404	29
		790-398	23	2000-5372/1102-953	8	2060-1452/998-404	29
<b>284 Series</b>		<b>793 Series</b>		2000-5377/101-000	10	2060-1471/998-404	29
284-415	17	793-501	16	2000-5377/102-000	10	2060-1472/998-404	29
				2000-5391	8	2060-1472/998-404	29
<b>285 Series</b>						2060-1852/998-404	31
285-172	16	793-3501	5	2000-5410	9	2060-1872/998-404	31
		793-5501/000-002	11	2000-5410/1101-951	9		
285-1161	16	793-5501/000-006	11	2000-5410/1102-950	9	<b>2061 Series</b>	
285-1164	16	793-5501/000-007	11	2000-5417	9	2061-1601/998-404	35
285-1167	16	793-5501/000-012	11	2000-5417/1101-951	9	2061-1602/998-404	35
285-1171	16	793-5501/000-017	11	2000-5417/1102-950	9	2061-1603/998-404	35
285-1175	17	793-5501/000-023	11	2000-5457	9	2061-1603/998-404	35
285-1177	16	793-5501/000-024	11	2000-5457/1102-953	9	2061-1621/998-404	35
285-1178	16			2000-5477	9	2061-1622/998-404	35
285-1179	16			2000-5477/1102-953	9	2061-1623/998-404	35
				2000-5491	9		

Item No.	Page	Item No.	Page	Item No.	Page	Item No.	Page
<b>2061 Series</b>							
2061-1641/998-404	35						
2061-1642/998-404	35						
2061-1643/998-404	35						
2061-1661/998-404	35						
2061-1662/998-404	35						
2061-1663/998-404	35						

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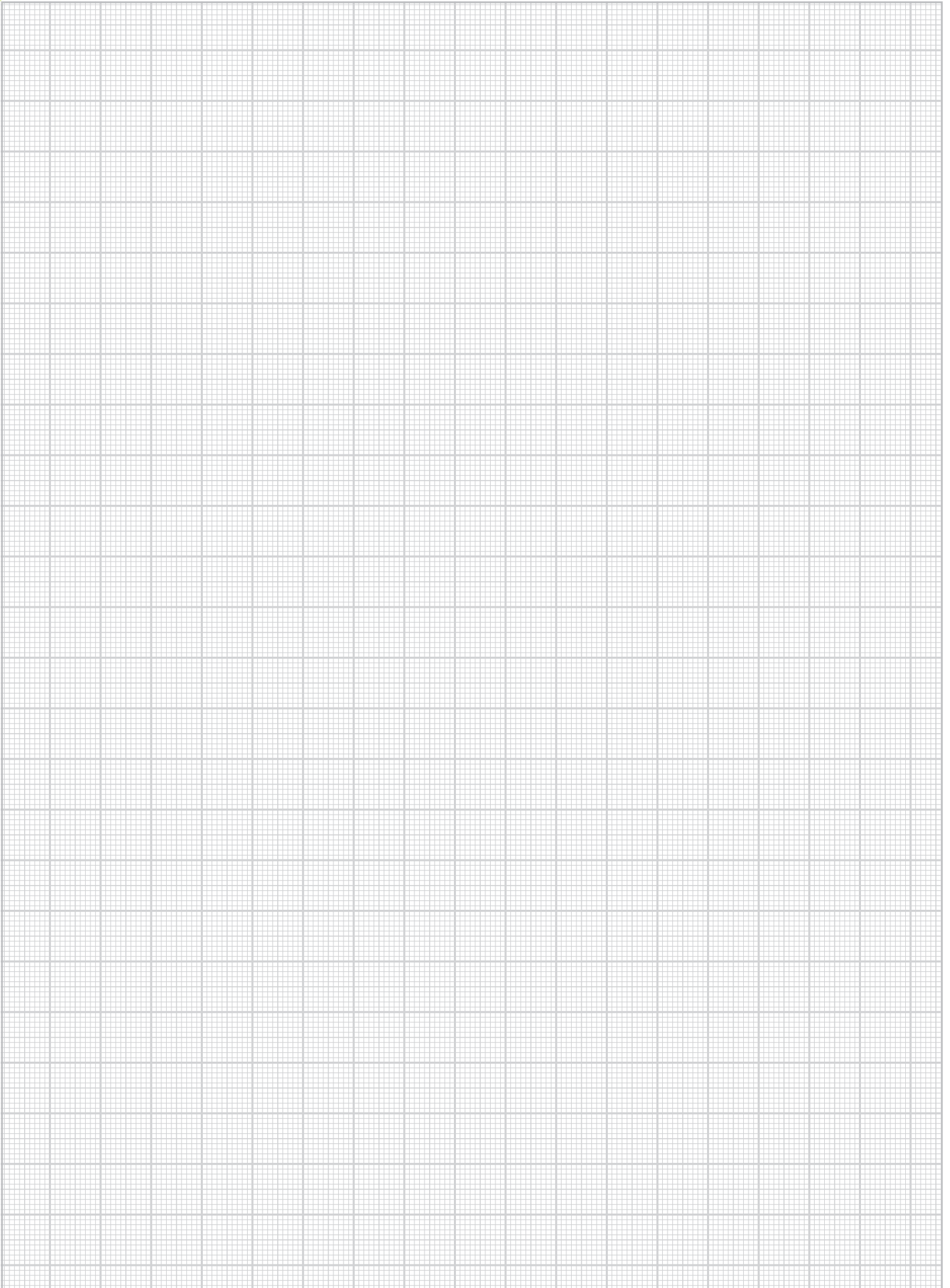
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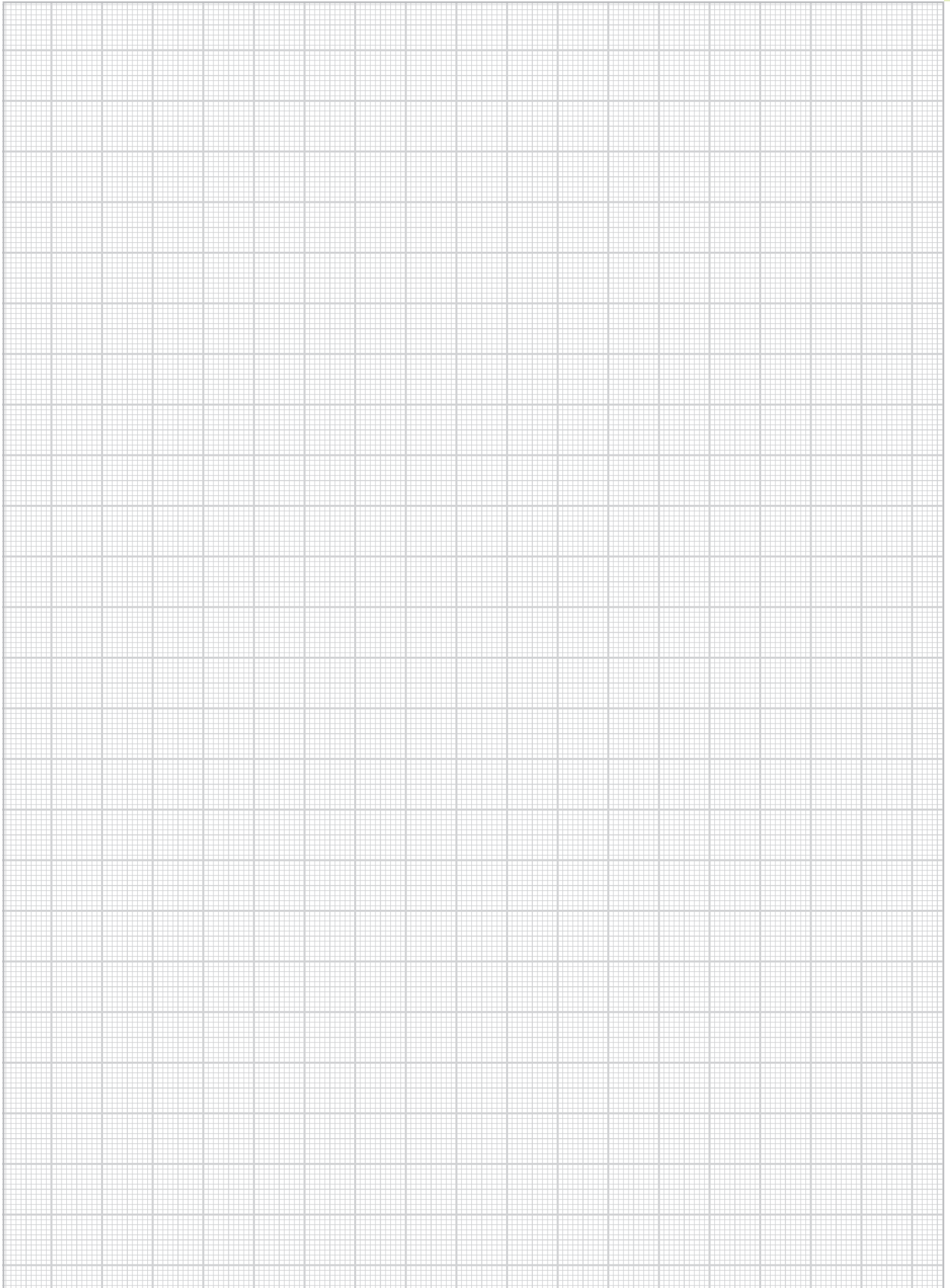
**Vietnam**

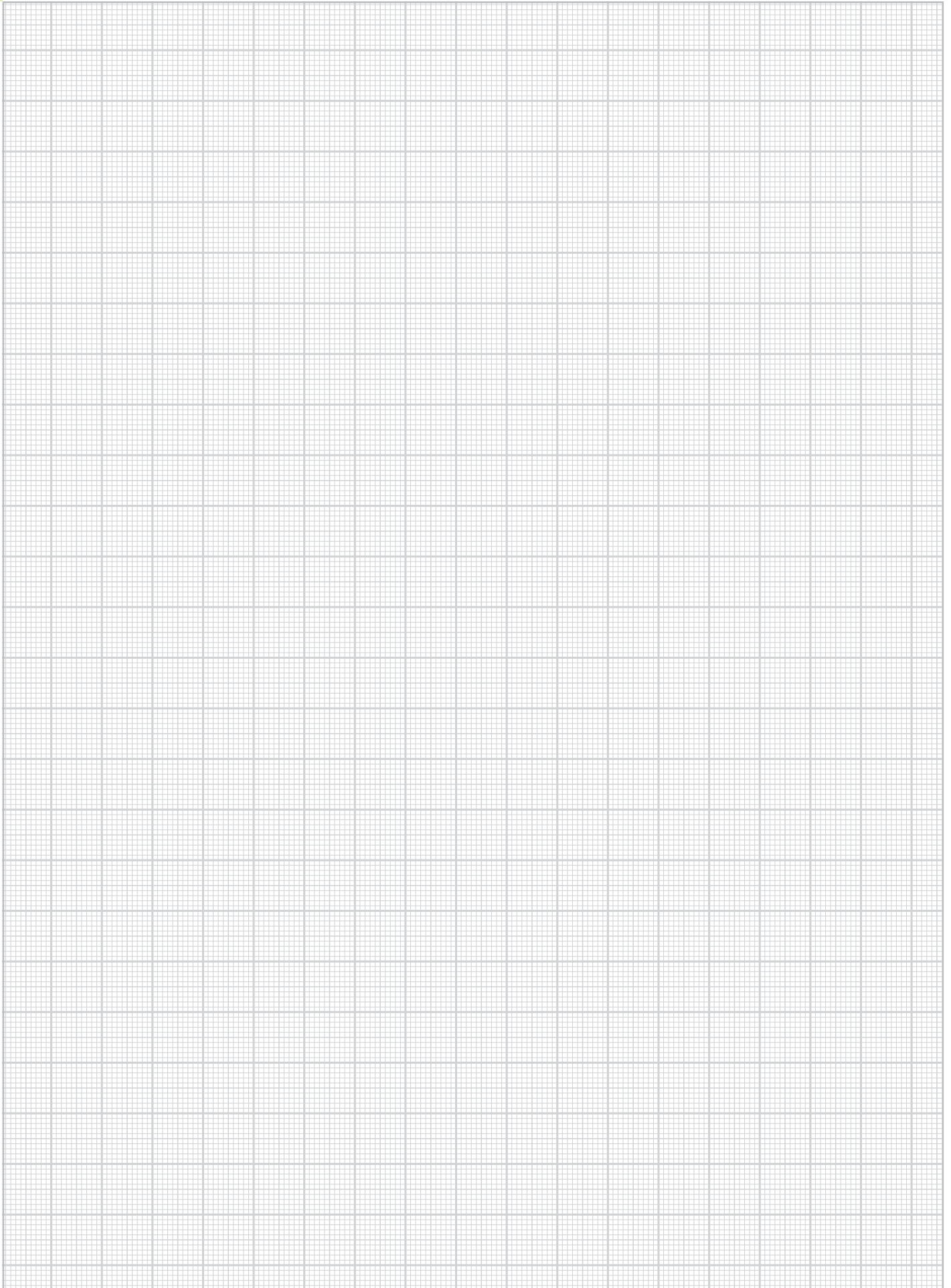
please contact WAGO Germany (Minden)

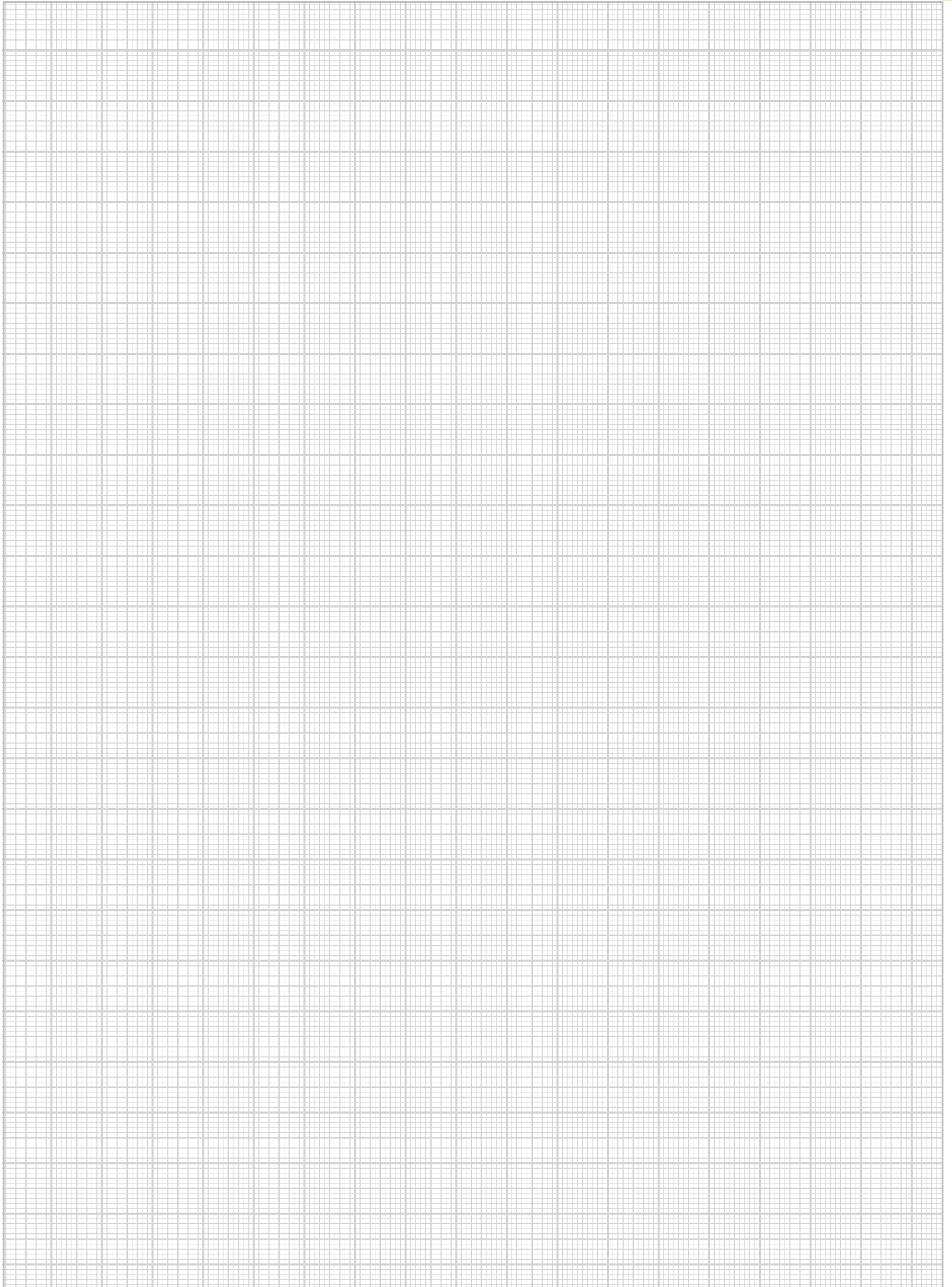
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