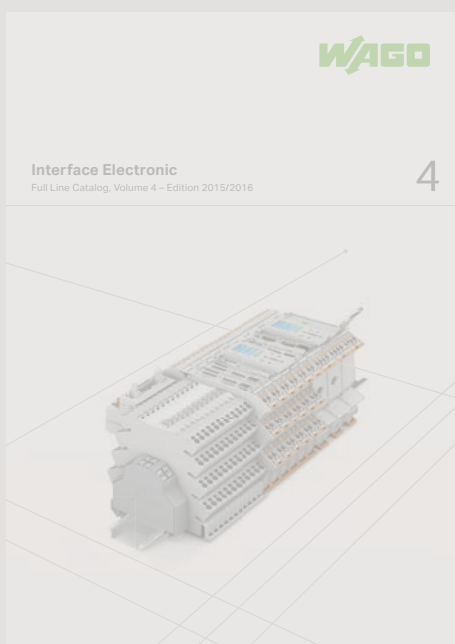
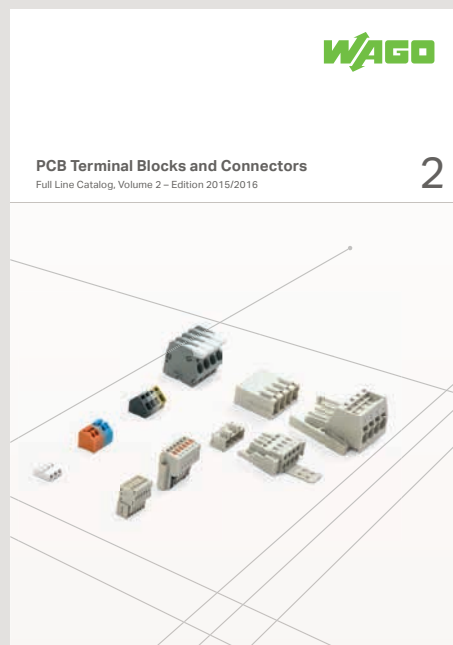
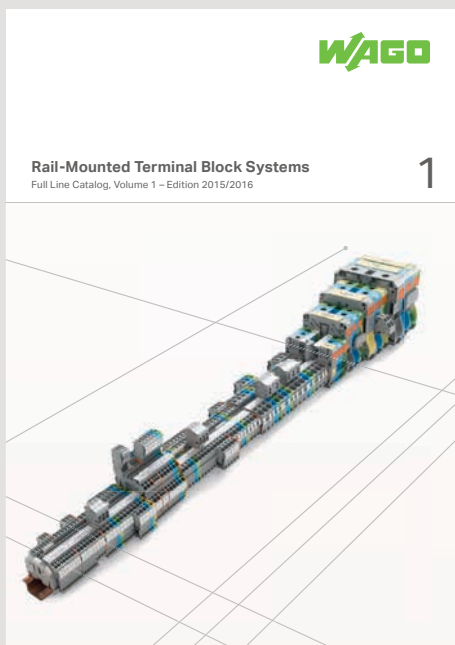


Electrical Interconnection

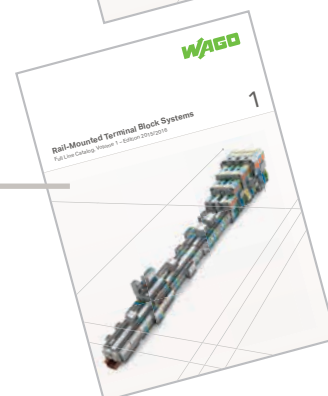
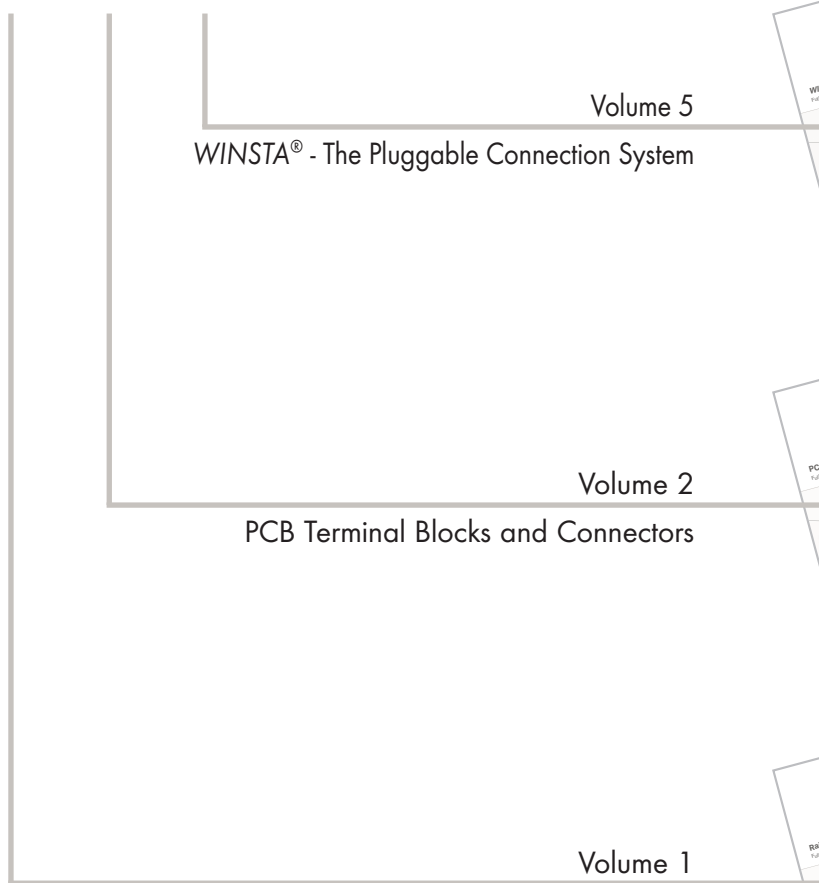
Supplementary Catalog to Full Line Catalogs, Volumes 1/2/5

Edition 2016/1



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

N 1/2/5



CONTENTS



Rail-Mounted Terminal Block Systems

Volume 1

02



Connectors and PCB Terminal Blocks

Volume 2

26



WINSTA® - The Pluggable Connection System

Volume 5

36

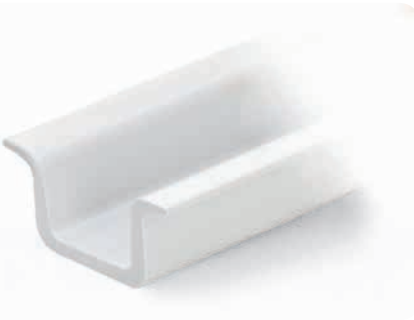
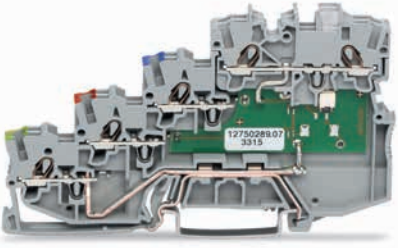
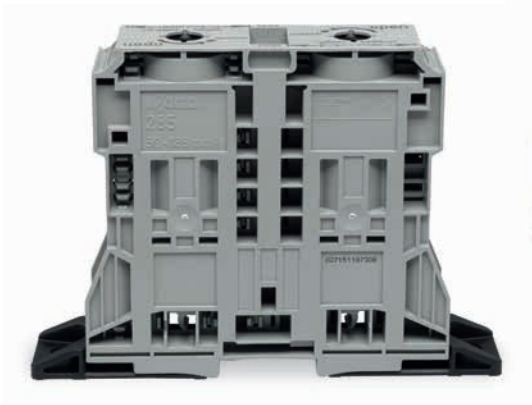
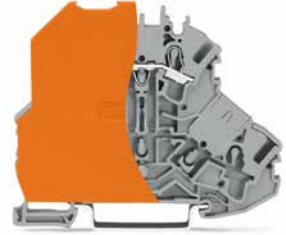
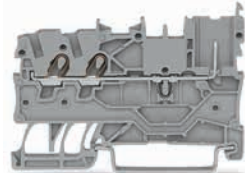


Marking Accessories



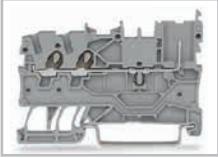









42

Item Numbers

44





Contents Volume 1

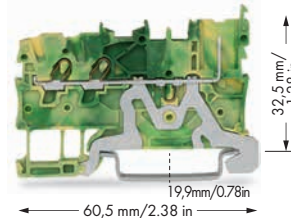
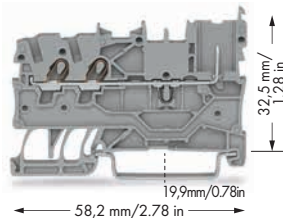
	TOPJOB® S Shield Terminal Blocks, 2.5 mm ² (AWG 12)	2002 Series	04
	TOPJOB® S Double-Deck Terminal Blocks, 2.5 mm ²	2002 Series	11
	TOPJOB® S Sensor and Actuator Terminal Blocks, 1 mm ²	2000 Series	06
	X-COM®S-SYSTEM-MINI 2-Conductor/1-Pin Carrier Terminal Blocks, 1 mm ² (AWG 16)	2000 Series	05
	Accessories for TOPJOB® S Adjacent Jumper for Continuous Commoning	2002 Series	14
	Connectors and Connector Strips, 1 mm² Colored Push-in Type Jumper Bars	2000 Series 2000 Series	12 14
	Collective Carrier for TOPJOB® S Jumpers	2009 Series	14
	Disconnect Plug and Blind Plug for Carrier Terminal Blocks	2006 Series	15
	Plastic carrier rail, 35 x 15 mm	210 Series	15
	High-Current Through Terminal Blocks with Screw Flanges, 185 mm ² (350 kcmil)	285 Series	16
	Power Tap for 185 mm ² (350 kcmil) high-current terminal blocks	285 Series	17
	Matrix Patchboard with Push-Buttons	726 Series	22
	PUSH WIRE® Connectors for Junction Boxes and Solid Conductors up to 4 mm ²	773 Series	18
	Mounting Carrier	221 Series	20
	Busbar Carriers with T-Connector, Flexible	790 Series	23
	Shield Clamping Saddles with Spring	790 Series	24

X-COM® S-SYSTEM-MINI




















2-Conductor/1-Pin Carrier Terminal Blocks

2020 Series

0.14 ... 1 (1.5) mm ² ① AWG 24 ... 16 500 V/6 kV/3 ② I _N 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 ² ① AWG 24 ... 16 Terminal block width 3.5 mm / 0.138 in  9 ... 11 mm / 0.39 in ④
--	---

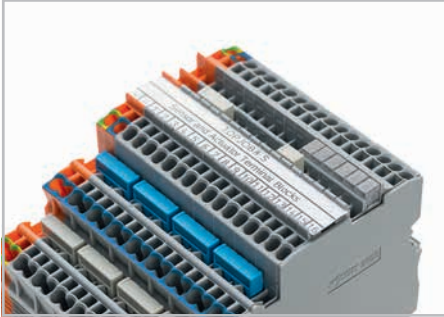


- ① Conductor sizes: 0.14 mm² ... 1.5 mm² "s + f-st"; Push-in conductor sizes: 0.5 mm² ... 1.5 mm² "s" and 0.5 mm² ... 0.75 mm² "insulated ferrule, 10 mm"
- ② 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- ③ Current-carrying capacity 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
3-conductor/1-pin carrier terminal block, for DIN 35 rail, acc. to EN 60715		3-conductor/1-pin ground carrier terminal block, for DIN 35 rail, acc. to EN 60715		
 gray	2020-1301 50	 green-yellow	2020-1307 50	1-conductor female plug
 blue	2020-1304 50			 gray 2020-102 100
Notice: An end plate must be applied to the carrier terminal blocks after each female plug.		Notice: An end plate must be applied to the carrier terminal blocks after each female plug.		2-conductor female plug
				 gray 2020-202 100
				Test plug adapter, for 4 mm Ø test plug
				 gray 2009-174 100 (4x25)
2020 Series Accessories Appropriate marking systems: WMB/Marking strips (see Full Line Catalog, Volume 1, Section 13)				Banana plug, for socket 4 mm Ø, color mixed
End and intermediate plate, 1 mm thick		Star point jumper, insulated,		Testing tap,
 orange	2020-1392 100 (4x25)	 ⑤ I _N = I _N terminal block, light gray	2000-405/011-000 100 (4x25)	 for max. 2.5 mm ²
 gray	2020-1391 100 (4x25)			 gray 2009-182 100 (4x25)
Push-in type jumper bar, insulated,		Push-in type wire jumper,		Marking strip, plain,
 ⑤ I _N 14 A, light gray		 ⑤ insulated, I _N 16 A, wire size 1.5 mm ²		 11 mm wide, 50 m roll
2-way	2000-402 200 (8x25)	L = 60 mm	2009-402 100 (10x10)	white
3-way	2000-403 200 (8x25)	L = 110 mm	2009-404 100 (10x10)	2009-110 1
4-way	2000-404 200 (8x25)	L = 250 mm	2009-406 100 (10x10)	WMB Multi marking system,
5-way	2000-405 100 (4x25)			10 strips with 10 markers per card, for 3.5 mm terminal block width
6-way	2000-406 100 (4x25)			plain
7-way	2000-407 100 (4x25)	Protective warning marker,		793-3501 5
8-way	2000-408 100 (4x25)	with high-voltage symbol, black,		Screwless end stop,
9-way	2000-409 100 (4x25)	for 5 terminal blocks		for DIN 35 rail,
10-way	2000-410 100 (4x25)	yellow	2000-115 100 (4x25)	6 mm wide
				gray
Push-in type jumper bar, insulated,		Carrier with 6 coding pins,		Screwless end stop,
 I _N 14 A, light gray		 for coding female plugs		for DIN 35 rail,
from 1 to 3	2000-433 200 (8x25)	orange	2020-100 100 (4x25)	10 mm wide
from 1 to 4	2000-434 200 (8x25)	Test pin,		gray
from 1 to 5	2000-435 100 (4x25)	 1 mm Ø	859-500 1	249-116 100 (4x25)
from 1 to 6	2000-436 100 (4x25)			249-117 50 (2x25)
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)			
Delta jumper, insulated,				
 ⑤ I _N = I _N terminal block, light gray				
1-2 3-4 5-6	2000-406/020-000 100 (4x25)			

1 Sensor and Actuator Terminal Blocks 2000 Series

6 Commoning: Signal Level

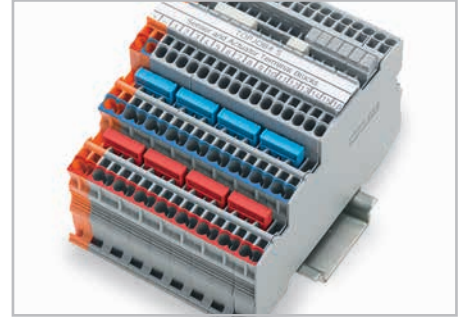


Commoning the signal level with push-in type jumper bars (2000 Series); models with an LED can only be commoned in one jumper slot! TOPJOB® S test plug adapter can be used in all jumper slots.



Upper level: two independent signal passages

Commoning: Potential Level



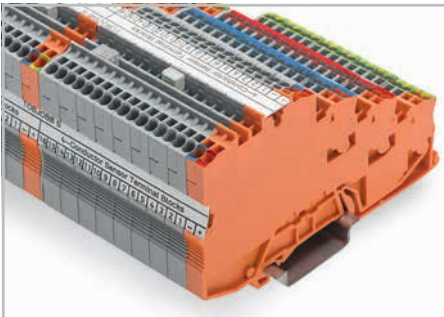
Commoning the potential levels via push-in type jumper bars (2000 Series).

Power Supply

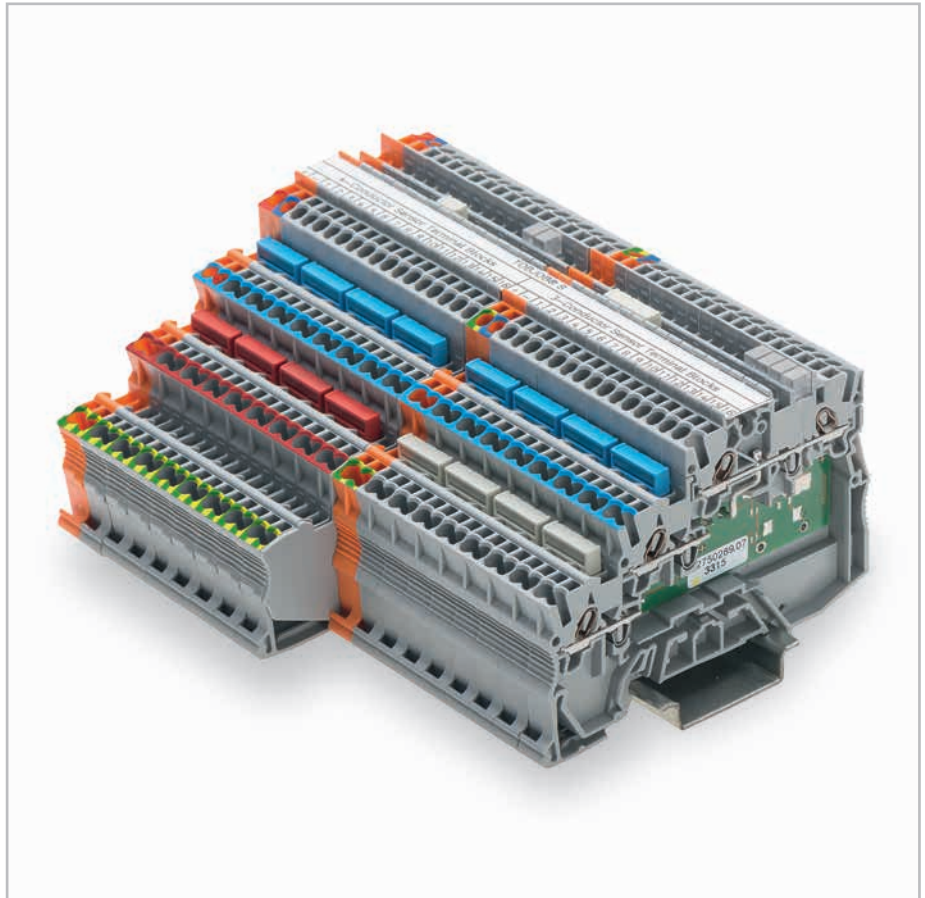


Orange supply terminal block of same profile with a power supply option from both the cabinet and sensor sides

Marking System

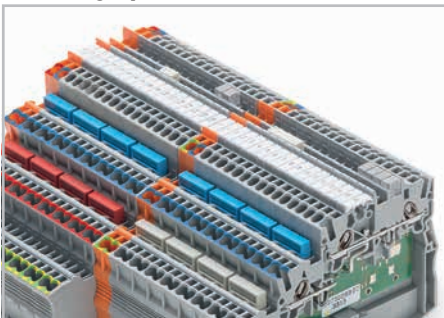


Marking strips (2009-110), marking from the top or the side

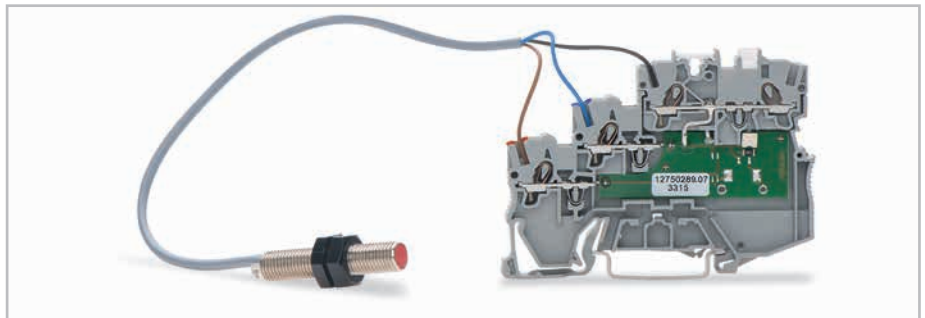


Terminal block assembly with 4-conductor sensor terminal blocks and 3-conductor actuator terminal blocks

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.

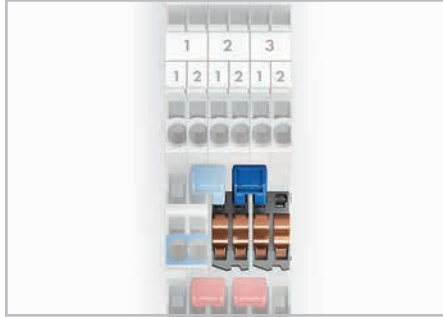
❶ When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

- Description and Handling -

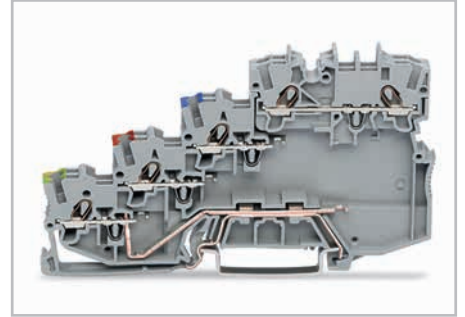
Commoning: Potential Level



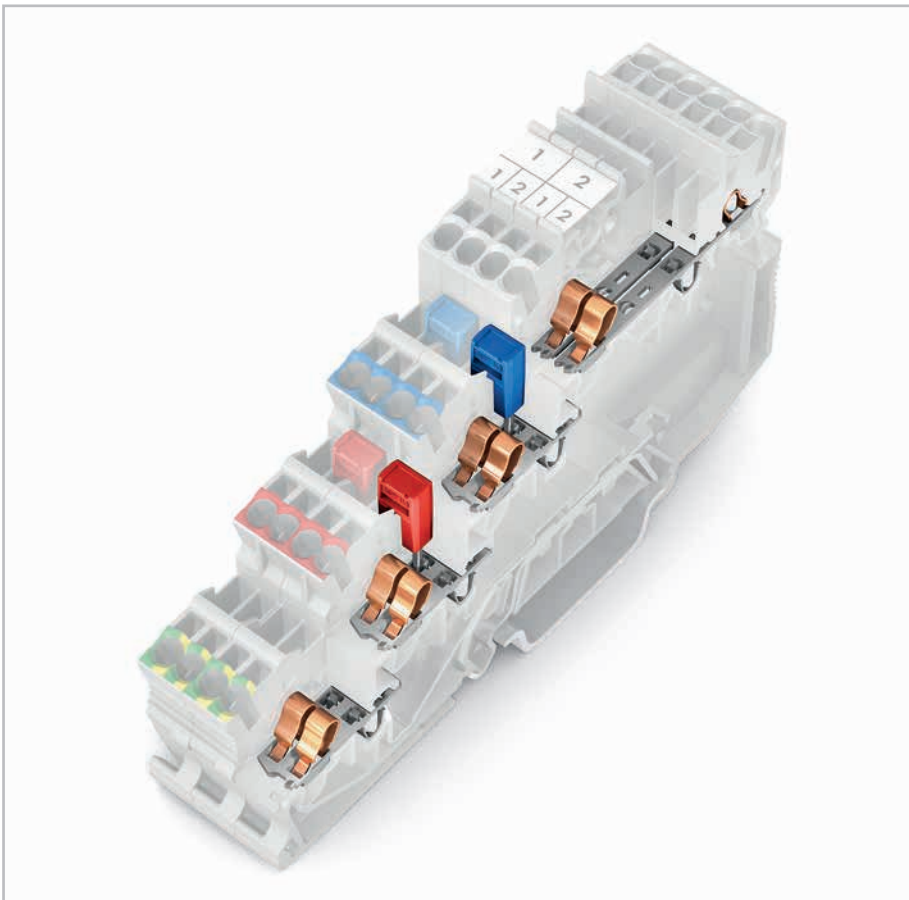
Continuous commoning in the potential levels via push-in type jumper bars for even pole numbers (2000 Series)



Potential levels: two adjacent commoning options on a current bar

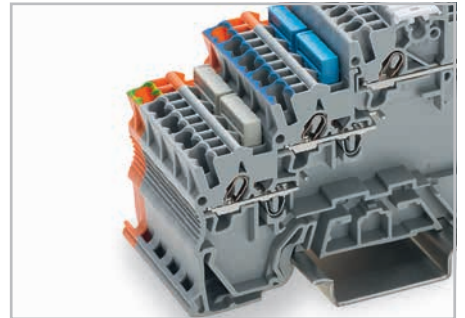


4-conductor sensor terminal block with ground contact



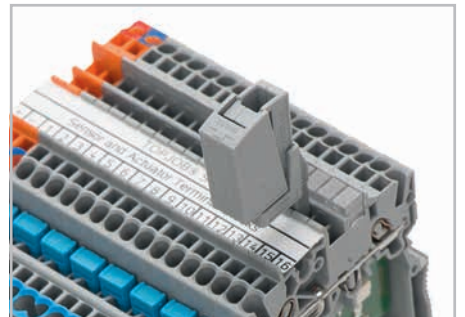
Upper level: two independent signal passages, in 3.5 mm pin spacing, with dual jumper slot
Lower levels: two interconnected potential clamping units, with a single jumper slot, can be commoned in both directions

Ground Commoning



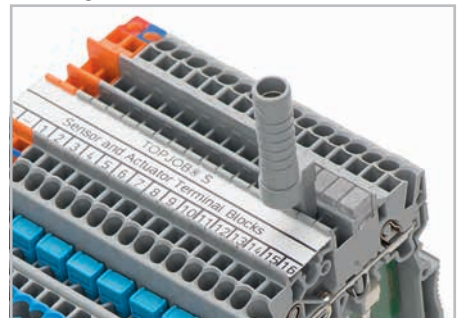
For sensor and actuator terminal blocks without ground connection to the DIN-rail, the ground connection can be performed by commoning to the terminal block with a ground foot.

Testing

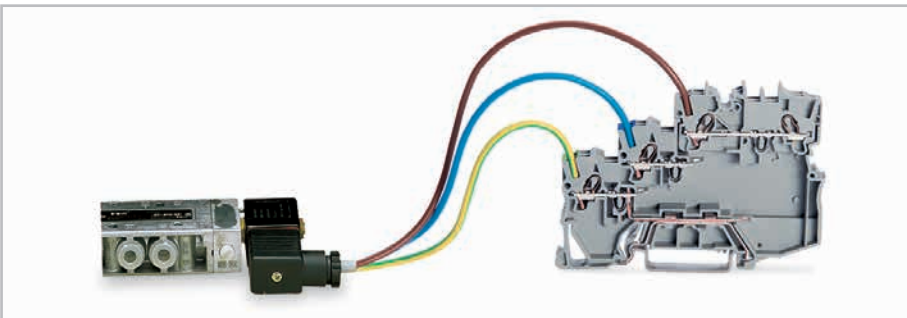


Testing via testing tap (2009-182) (up to max. 42 V)

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 (gas-tight crimped)



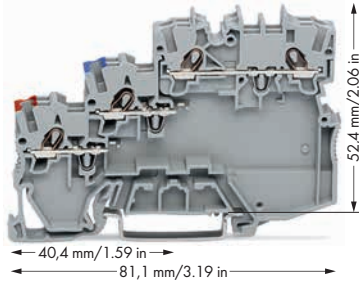
fine-stranded, with pin terminal (gas-tight crimped)

TOPJOB® S

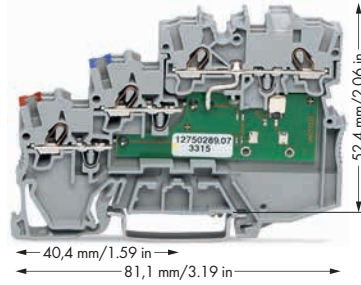
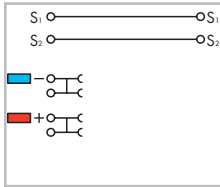
3-Conductor Sensor Terminal Blocks 1 (1.5) mm²

2000 Series

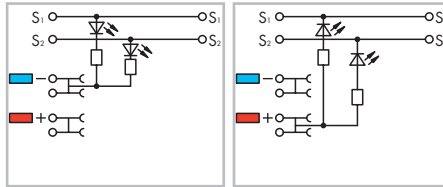
0.14 ... 1 (1.5) mm ² ① 250 V/4 kV/3 ② I _N 13.5 A	AWG 24 ... 16 300 V, 10 A	0.14 ... 1 (1.5) mm ² ① 24 VDC I _N 13.5 A	AWG 24 ... 16 24 VDC, 10 A
Terminal block width 7 mm / 0.276 in ③ 9 ... 11 mm / 0.39 in ④		Terminal block width 7 mm / 0.276 in ③ 9 ... 11 mm / 0.39 in ④	



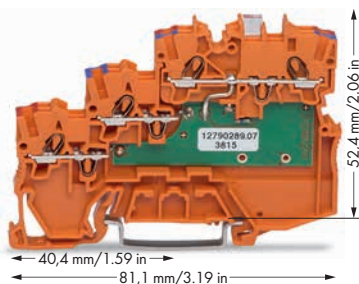
2000-5311



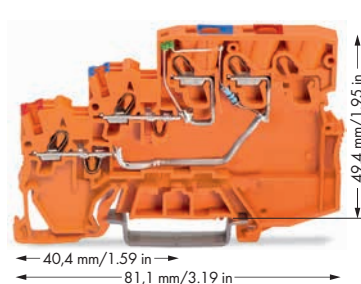
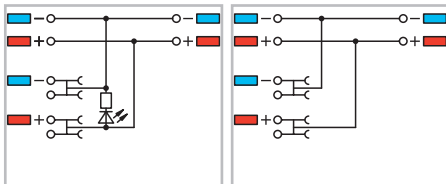
2000-5311/1102-950 2000-5311/1101-951



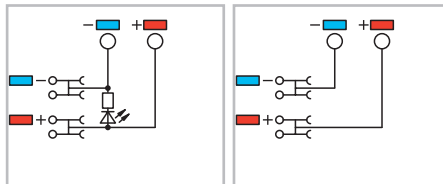
Item No.	Pack. Unit	Item No.	Pack. Unit
3-conductor sensor terminal block		3-conductor sensor LED terminal block, for PNP (positive) switching sensors, yellow LED	
gray	2000-5311	50	gray
			2000-5311/1102-950
			50
		3-conductor sensor LED terminal block, for NPN (negative) switching sensors, yellow LED	
		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
3-conductor sensor LED supply terminal block, 24 VDC, green LED		3-conductor sensor LED supply terminal block, 24 VDC, green LED, control panel side: 2.5 (4) mm², max. 28 A	
orange	2000-5372/1102-953	15	orange
			2000-5352/1102-953
			15
3-conductor sensor supply terminal block, max. 250 V, internal bridge		3-conductor sensor supply terminal block, max. 250 V, control panel side: 2.5 (4) mm², max. 28 A	
orange	2000-5372	15	orange
			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 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"
- ② 250 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)

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

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

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

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)

Double-deck marker carrier, pivoting	
gray	2000-121 50 (2x25)

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

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

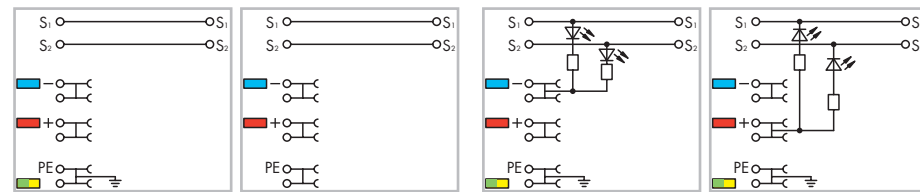
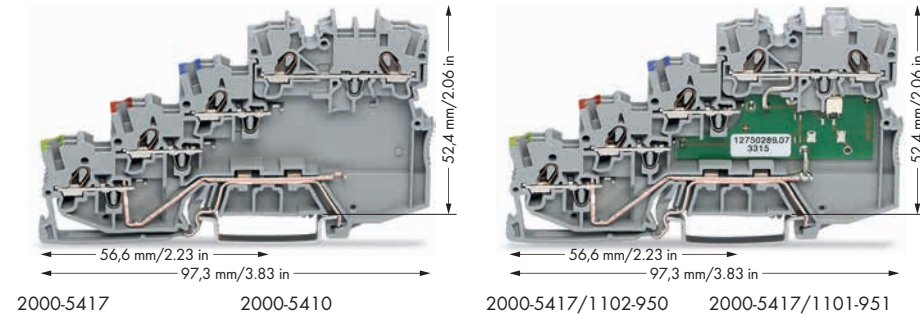
Operating tool with partially insulated shaft, type 1, (2.5 x 0.4) mm blade	
	210-719 1

TOPJOB® S

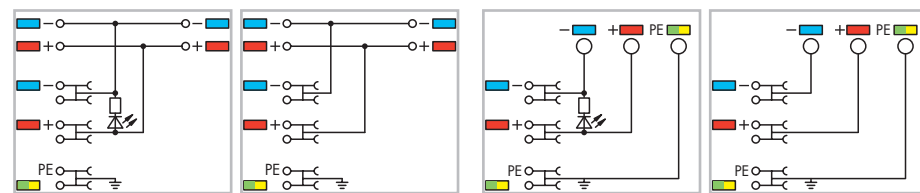
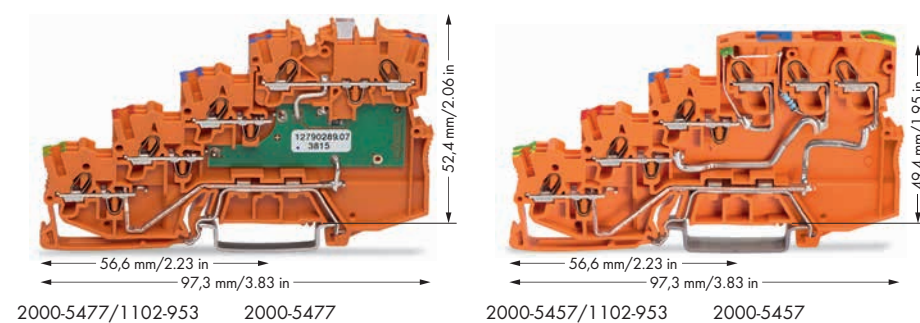
4-Conductor Sensor Terminal Blocks 1 (1.5) mm²

2000 Series

0.14 ... 1 (1.5) mm ² ① 250 V/4 kV/3 ② I _N 13.5 A	AWG 24 ... 16 300 V, 10 A	0.14 ... 1 (1.5) mm ² ① 24 VDC I _N 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
4-conductor sensor terminal block		4-conductor sensor LED terminal block, for PNP (positive) switching sensors, yellow LED	
gray	2000-5417 50	gray	2000-5417/1102-950 50
gray	2000-5410 50 ⑥	gray	2000-5410/1102-950 50 ⑥
		4-conductor sensor LED terminal block, for NPN (negative) switching sensors, yellow LED	
		gray	2000-5417/1101-951 50
		gray	2000-5410/1101-951 50 ⑥



Item No.	Pack. Unit	Item No.	Pack. Unit
4-conductor sensor LED supply terminal block, 24 VDC, green LED		4-conductor sensor LED supply terminal block, 24 VDC, green LED, control panel side: 2.5 (4) mm², max. 28 A	
orange	2000-5477/1102-953 15	orange	2000-5457/1102-953 15
4-conductor sensor supply terminal block, max. 250 V, internal bridge		4-conductor sensor supply terminal block, max. 250 V, control panel side: 2.5 (4) mm², max. 28 A	
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 mm² ... 1.5 mm² "s + fst"; Push-in conductor sizes: 0.5 mm² ... 1.5 mm² "s" and 0.5 mm² ... 0.75 mm² "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 4-conductor terminal blocks
gray	2000-5491 100 (4x25)

Push-in type jumper bar, insulated,	I _N 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)

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

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)

Double-deck marker carrier,	pivoting
gray	2000-121 50 (2x25)

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

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

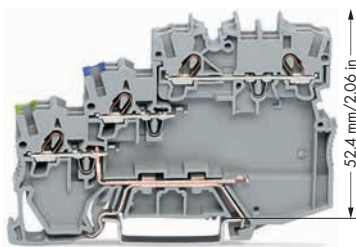
Operating tool with partially insulated shaft,	type 1, (2.5 x 0.4) mm blade
	210-719 1

TOPJOB® S

3-Conductor Actuator Terminal Blocks 1 (1.5) mm²

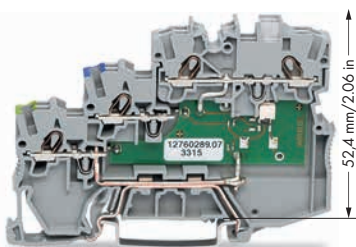
2000 Series

0.14 ... 1 (1.5) mm ² ① 250 V/4 kV/3 ② I _N 13.5 A	AWG 24 ... 16 300 V, 10 A	0.14 ... 1 (1.5) mm ² ① 24 VDC I _N 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	



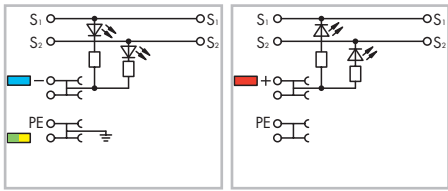
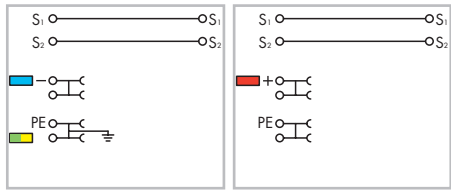
40,4 mm/1.59 in
81,1 mm/3.19 in

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

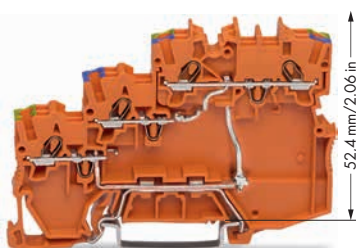


40,4 mm/1.59 in
81,1 mm/3.19 in

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

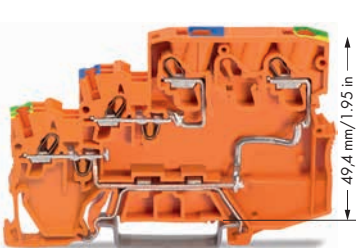


Item No.	Pack. Unit	Item No.	Pack. Unit
3-conductor actuator terminal block, for PNP (positive) switching actuators, with ground connection		3-conductor actuator LED terminal block, for PNP (positive) switching actuators, yellow LED, with ground connection	
gray	2000-5317/102-000 50	gray	2000-5317/1102-950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



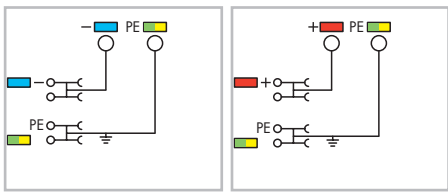
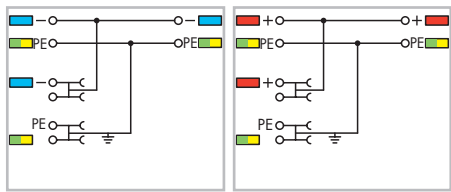
40,4 mm/1.59 in
81,1 mm/3.19 in

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
3-conductor actuator supply terminal block, max. 250 V, for PNP (positive) switching actuators, with ground connection, internal bridge		3-conductor actuator supply terminal block, max. 250 V, control panel side: 2.5 (4) mm², max. 28 A, for PNP (positive) switching actuators, with ground connection	
orange	2000-5377/102-000 15	orange	2000-5357/102-000 15
3-conductor actuator supply terminal block, max. 250 V, for NPN (negative) switching actuators, with ground connection		3-conductor actuator supply terminal block, 24 VDC, control panel side: 2.5 (4) mm², max. 28 A, for NPN (negative) switching actuators, with ground connection	
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 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"
- ② 250 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)
---------------------------------	------	-----------	------------

Push-in type jumper bar, insulated,

⑤ I_N 14 A, light gray

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

Colored push-in type jumper bars,

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

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)

Double-deck marker carrier,

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

Marking strip, plain,

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

WMB Multi marking system,

10 strips with 10 markers per card, for 3.5 mm terminal block width	plain	793-3501	5
---	-------	----------	---

Operating tool with partially insulated shaft,

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

TOPJOB® S

Double-Deck Terminal Blocks 2.5 (4) mm²

2002 Series

PUSH-IN CAGE CLAMP®


1

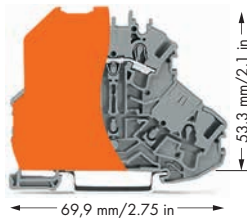
11








Volume 1

Protective warning marker and insulation stop must be applied individually.

- 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 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.

0.25 ... 2.5 (4) mm ² ① AWG 22 ... 12 AC/DC 1000 V/ DC 1500 V/12 kV/3 ② I _N 24 A Terminal block width 7.2 mm / 0.283 in.  10 ... 12 mm / 0.43 in. ③	
--	--





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

TOPJOB® S

Connectors and Connector Strips

2000 Series

PUSH-IN CAGE CLAMP®

0.14 ... 1 (1.5) mm ² ① AWG 24 ... 16 500 V/6 kV/3 ② I _N 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 ² ① AWG 24 ... 16 500 V/6 kV/3 ② I _N 13.5 A Terminal block width 5 mm / 0.197 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 Section 14)
- ③ Strip length, see packaging or instructions.

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

Accessories

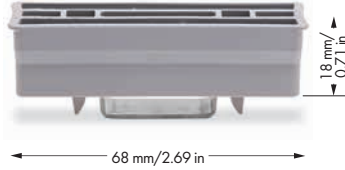
Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

End plate,  for modular TOPJOB® S connectors, 1.5 mm thick gray 2002-541 100 (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)
Test plug,  with 500 mm cable, 2.3 mm Ø yellow 210-137 50	
Test plug,  with 500 mm cable, 2 mm Ø red 210-136 50	
Marking strip, plain,  11 mm wide, 50 m roll white 2009-110 1	
WMB Multi marking system,  10 strips with 10 markers per card, for 3.5 mm terminal block width plain 793-3501 5	

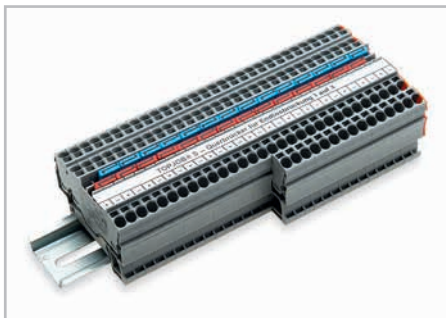
TOPJOB® S

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 _N 25 A	Collective Carrier for Jumpers	Push-in type jumper bar
---	--------------------------------	-------------------------



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Adjacent jumper for continuous commoning, insulated, I _N 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 _N 25 A, yellow-green	
○ light gray	2002-423 100 (4x25)	○ gray	2009-180 25	● 2-way	2000-402/000-018
● red	2002-423/000-005 100 (4x25)				200 (8x25)
● blue	2002-423/000-006 100 (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).

High-Current Through Terminal Blocks with Screw Flanges

185 mm² 285 Series

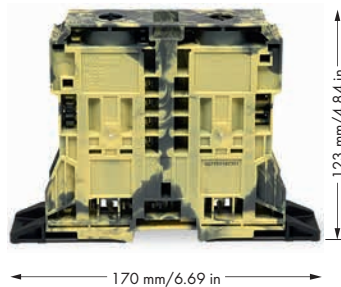
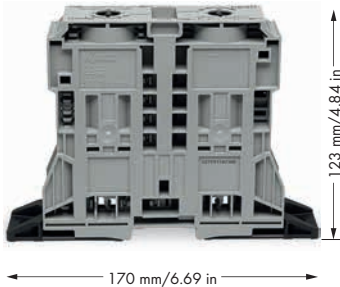


50 ... 185 mm² | AWG 1/0 ... 350 kcmil
1000 V AC/DC/1500 VDC/12 kV/3 ①
I_N 353 A

Terminal block width 32 mm / 1.26 in.
② 45 ... 47 mm / 1.77 ... 1.85 in.

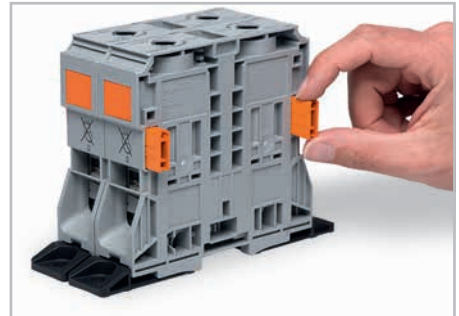
50 ... 185 mm² | AWG 1/0 ... 350 kcmil
1000 V AC/DC/1500 VDC/12 kV/3 ①
I_N 353 A

Terminal block width 32 mm / 1.26 in.
② 45 ... 47 mm / 1.77 ... 1.85 in.



- 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
2-conductor through terminal block with screw flanges		2-conductor through terminal block with screw flanges	
● gray 285-1161	4	dark gray/yellow 285-1167	4
● blue 285-1164	4		

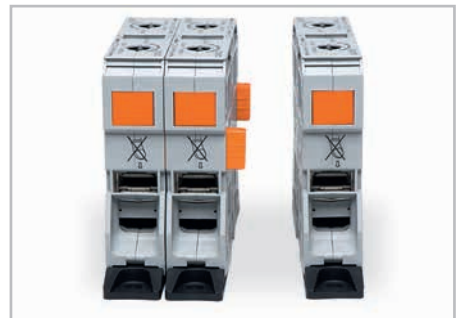


Optionally, insert fixing element (285-1179) into housing slot.

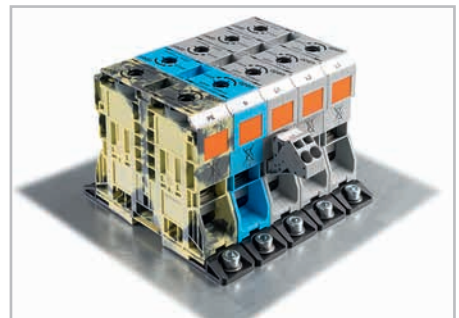
Accessories

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

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



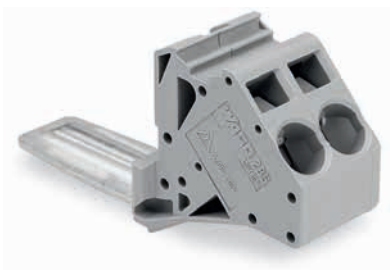
Align and snap high-current through terminal blocks together.






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

Power Tap 10 (16) mm² for 185 mm² High-Current Terminal Blocks 285 Series

0.2 ... 10 (16) mm ² AWG 24 ... 8 1000 V/8 kV/3 ❶ I _N 57 A Module width 20 mm / 0.787 in. 12 ... 13 mm / 0.49 in. ❷	
---	--






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

Item No.	Pack. Unit	
Power tap, for 185 mm² high-current terminal blocks		
○ gray	285-1175	5
Item-Specific Accessories		
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks		
 yellow	284-415	50 (2x25)
WMB Multi marking system, 10 strips with 10 markers per card, for terminal widths 5 ... 17.5 mm		
 plain	793-501	5
WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 ... 5.2 mm		
 plain	793-5501	5



Tapping directly into the power supply

<p>1.5 ... 4 mm² "s" 400 V/4 kV/2 I_N 32 A</p>  12 mm / 0.47 in.	<p>1.5 ... 4 mm² "s" 400 V/4 kV/2 I_N 32 A</p>  12 mm / 0.47 in.	<p>1.5 ... 4 mm² "s" 400 V/4 kV/2 I_N 32 A</p>  12 mm / 0.47 in.
---	--	--



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 ² , 2-conductor connector, transparent brown housing, white cover		PUSH WIRE® connector for junction boxes and solid conductors up to 4 mm ² , 4-conductor connector, transparent brown housing, red cover		PUSH WIRE® connector for junction boxes and solid conductors up to 4 mm ² , 6-conductor connector, transparent brown housing, brown cover		
773-602	100		773-604	100	773-606	50

773 Series Accessories

Syringe



contents: 20 ml "Alu-Plus" contact paste

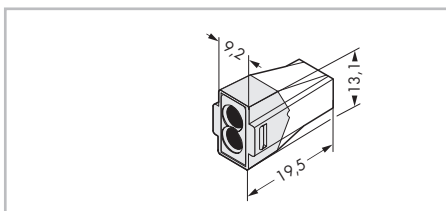
249-130 20 (4x5)

Mounting carrier

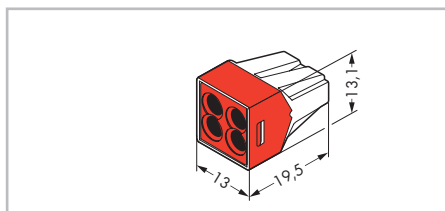


orange

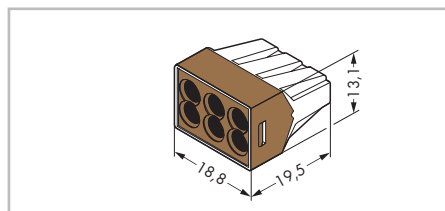
773-332 50 (5x10)



Dimensions in mm



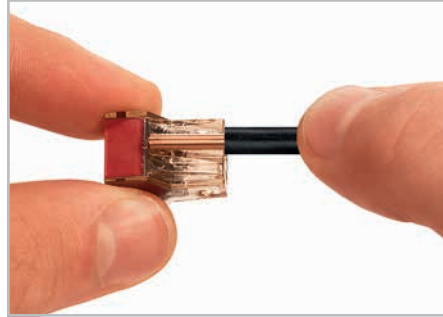
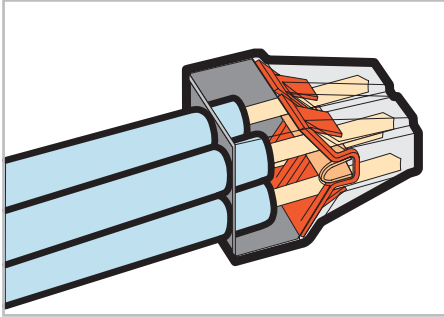
Dimensions in mm



Dimensions in mm

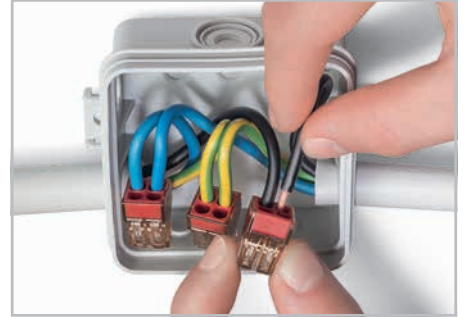
PUSH WIRE® Connectors for Junction Boxes, 773 Series – Description and Installation –

Stripped length



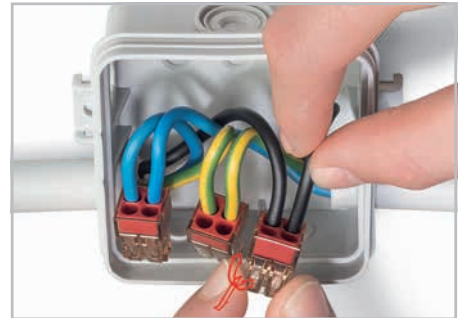
Strip solid conductor to 12 mm.

PUSH WIRE® connection



Termination: Insert stripped, solid conductor fully.

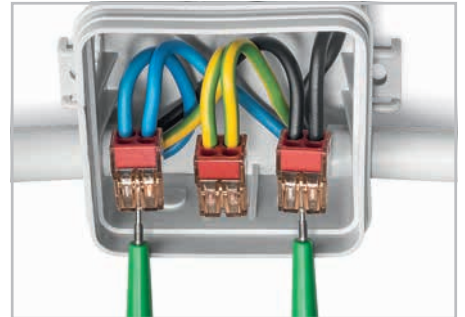
PUSH WIRE® connection



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



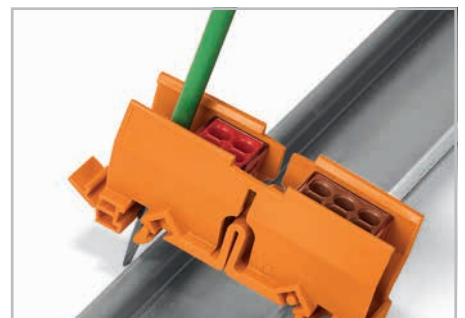
Testing



Cover use as end plate.



Snapping on to carrier rail.



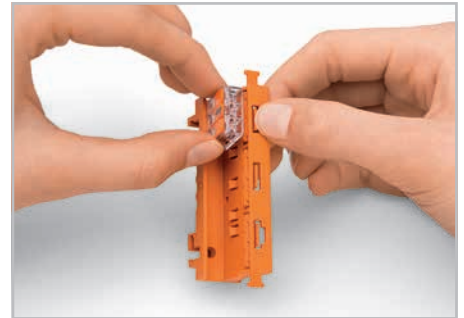
Removing from the carrier rail.



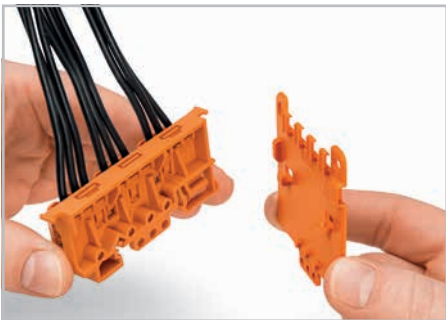
Inserting connectors into the mounting carriers.



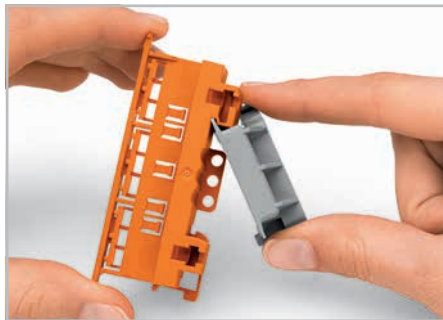
Removing connectors from the mounting carrier.



Removing splicing connector from the mounting carrier.



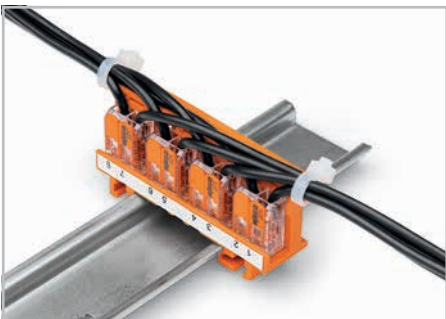
Mounting of strain relief plate (222-505) to the mounting carrier.



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



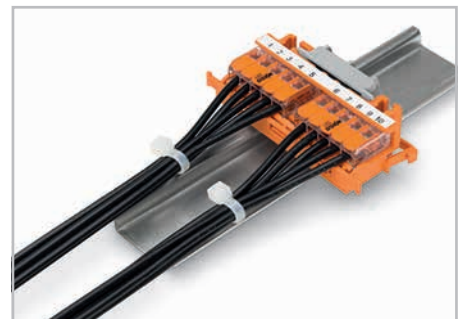
Testing connectors via test slots on top of the carrier.



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 mm² AWG 28 ... 16
 Side 2: 32 x 0.08 ... 1.5 mm² AWG 28 ... 16
 800 V/8 kV/3 ①
 I_N 10 A
 10 mm / 0.39 in.

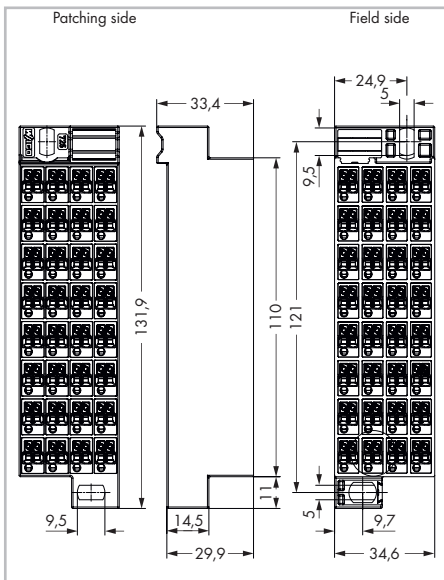


- ① 800 V = rated voltage
 8 kV = rated surge voltage
 3 = pollution degree

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

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

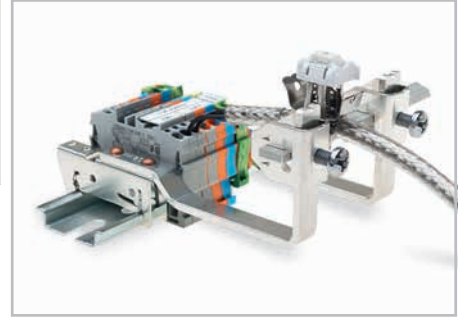
Item No.	Pack. Unit		Matrix Patchboard Accessories
Matrix patchboard , dark gray frame, colors of modules gray/ white, numbering of modules 2 arranged vertically plain	726-770	20	
			Wire commoning chain , insulated, 31 connections, I _N 6 A, max. 50 V, 0.5 mm ² gray 709-107 1
			WMB Inline , plain, stretchable 5 ... 5.2 mm, 1,500 WMB markers, 5 mm, on roll white 2009-115 1
			Marking strip , plain, 11 mm wide, 50 m roll white 2009-110 1
			WMB Multi marking system , 10 strips with 10 markers per card, stretchable 5 ... 5.2 mm plain 793-5501 5
			WMB Multi marking system , plain, 10 strips with 10 markers per card, stretchable 5 ... 5.2 mm yellow 793-5501/000-002 red 793-5501/000-005 blue 793-5501/000-006 gray 793-5501/000-007 orange 793-5501/000-012 light green 793-5501/000-017 green 793-5501/000-023 violet 793-5501/000-024 5
			Decade marker carrier , ② for matrix patchboards dark gray 726-905 10
			Operating tool with partially insulated shaft , type 1, (2.5 x 0.4) mm blade 210-719 1
			Test probe , 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

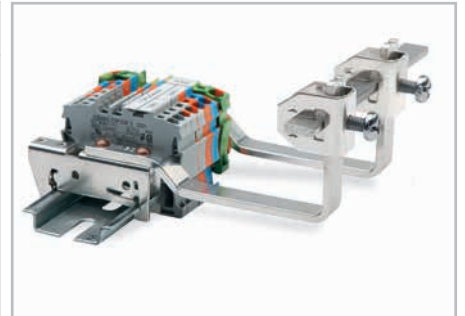
Busbar carriers with T-connector, flexible	T-connector
--	-------------



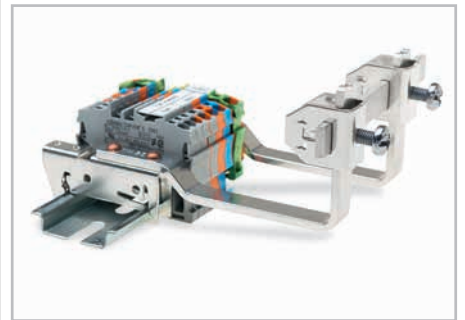
Application example



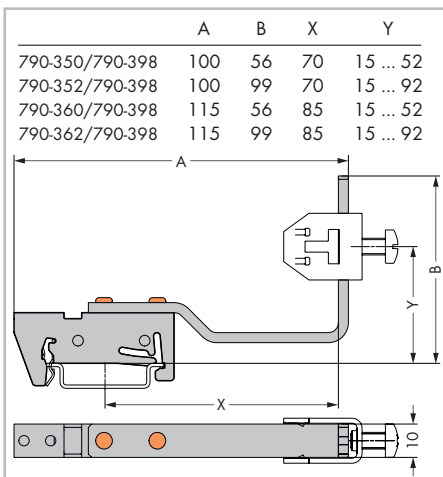
Item No.	Pack. Unit	Item No.	Pack. Unit
Busbar carrier with T-connector, flexible, for busbars Cu 10 mm x 3 mm, distance between center of DIN-rail and busbar carrier: 70 mm, height: 56 mm		T-connector, connects two (10 x 3) mm copper busbars	
790-350/790-398	12	790-398	10
Busbar carrier with T-connector,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



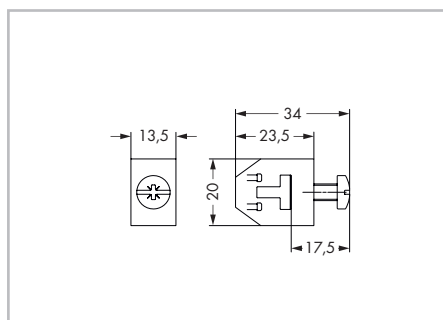
Horizontal mounting position of the busbar



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>
---	--	--



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Shield clamping saddle, 12.4 mm wide		Shield clamping saddle, 21.8 mm wide		Shield clamping saddle, 30 mm wide	
Note: Cannot be used for connecting ground conductors and strain relief.		Note: Cannot be used for connecting ground conductors and strain relief.		Note: Cannot be used for connecting ground conductors and strain relief.	
790-208	50	790-216	25	790-220	25

Accessories for Shield Clamping Saddles

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

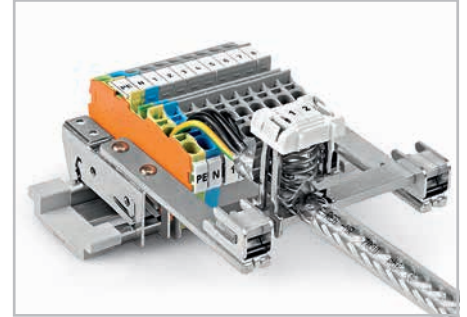
<p>Busbar carrier, straight, for busbars Cu 10 mm x 3 mm</p>  <p>790-300 10</p>	<p>Busbar carrier, straight, angled, for busbars Cu 10 mm x 3 mm</p>  <p>790-301 10</p>	<p>Carrier with 2 grounding feet, parallel to the rail, Cu 10 x 3 mm, 125 mm long</p>  <p>790-115 25</p>
<p>Carrier rail, with special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

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.



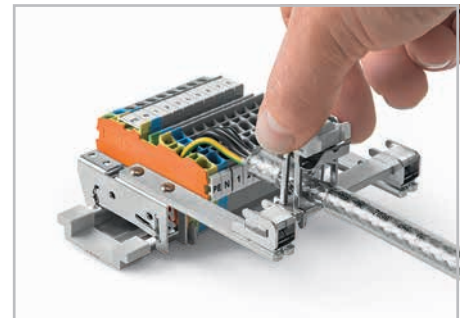
Application example



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



THR PCB Terminal Blocks with Push-Buttons 0.75 mm ² , 4 mm Pin Spacing, White and Black	2060 Series	28
--	--------------------	-----------



THR PCB Terminal Blocks with Push-Buttons 0.75 mm ² , 8 mm Pin Spacing, White and Black	2060 Series	30
--	--------------------	-----------

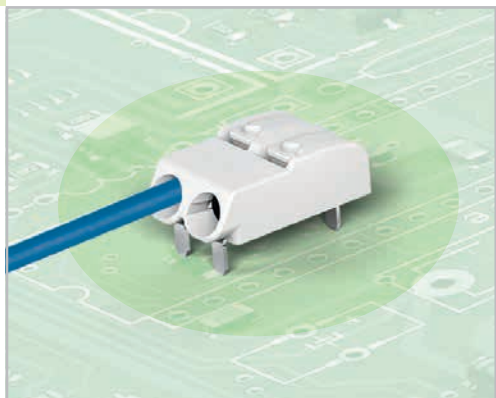


Board-to-Board Links for SMD PCB Terminal Blocks with Push-Buttons, Pin Spacing: 4 mm, 8 mm, White	2060 Series	32
--	--------------------	-----------



THR PCB Terminal Blocks 1.5 mm², 6 mm Pin Spacing, White and Black	2061 Series	34
---	--------------------	-----------

THR PCB Terminal Blocks with Push-Buttons, 0.75 mm² 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 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 angle	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

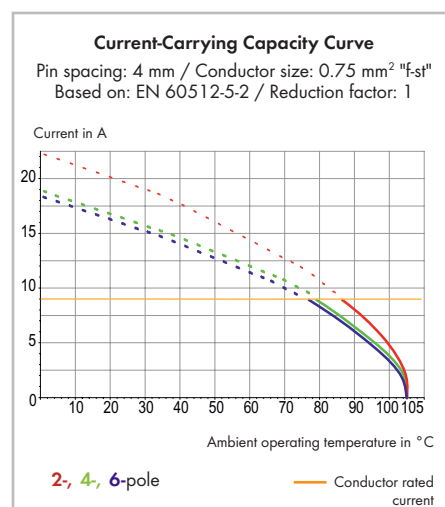
Material data:

Material group	I
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.

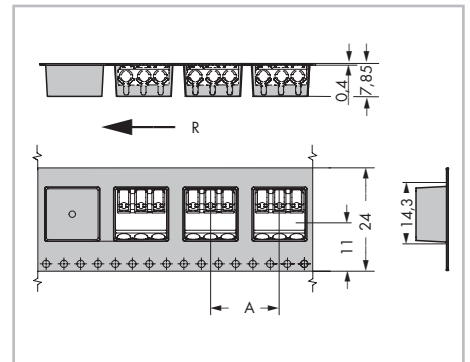
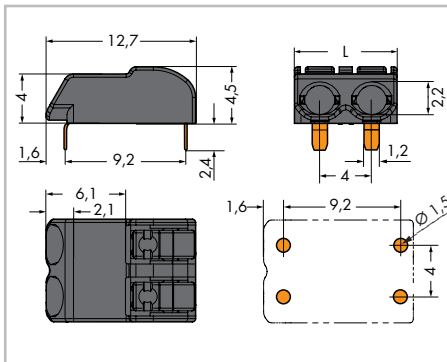
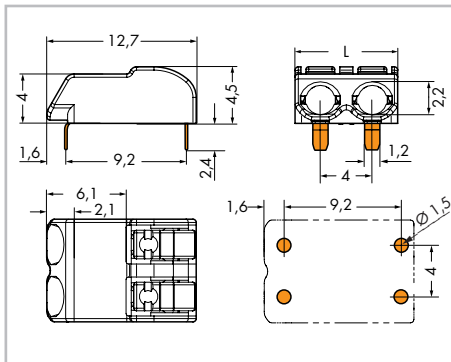
Recommendation for stencil: Material thickness, 150 µm.
The stencil hole diameter is identical to the outer diameter of the metal-plated PCB hole.



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 ²	24 ... 18 AWG	0.2 ... 0.75 mm ²	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, white*			THR PCB terminal blocks with push-buttons in tape-and-reel packaging, black		
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		



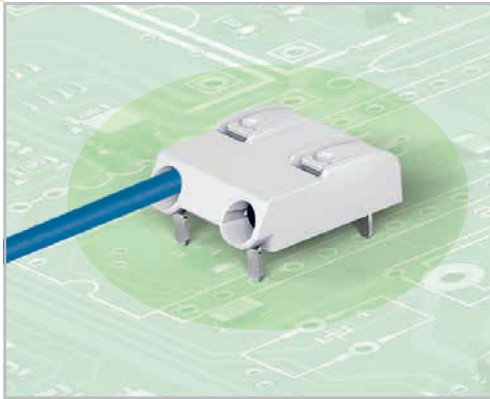
Inserting solid conductors via push-in termination.



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 mm² 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 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 angle	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

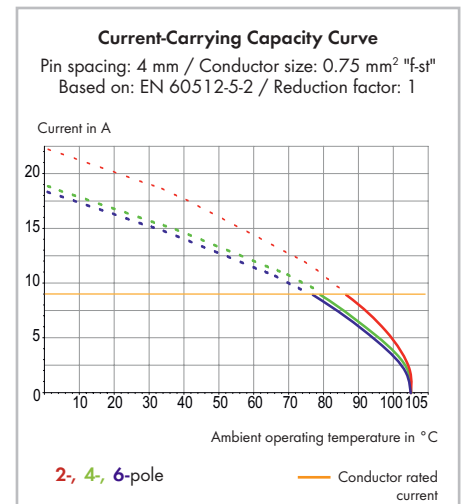
Material data:

Material group	I
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.

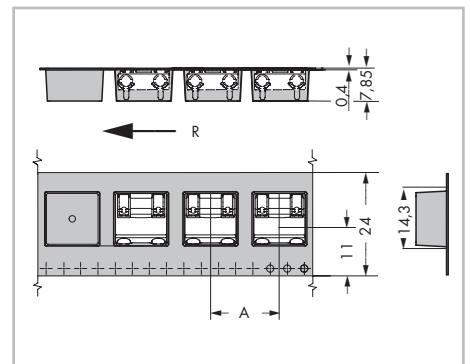
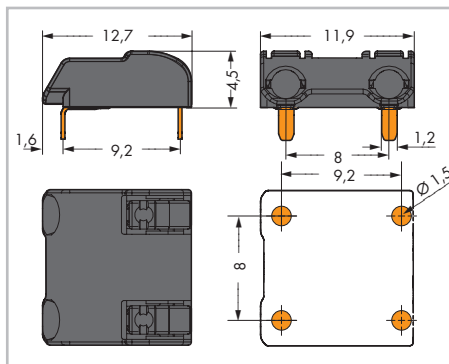
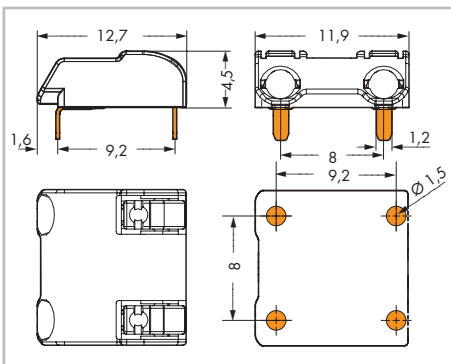
Recommendation for stencil: Material thickness, 150 µm.
The stencil hole diameter is identical to the outer diameter of the metal-plated PCB hole.



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 ²	24 ... 18 AWG	0.2 ... 0.75 mm ²	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, white*			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		



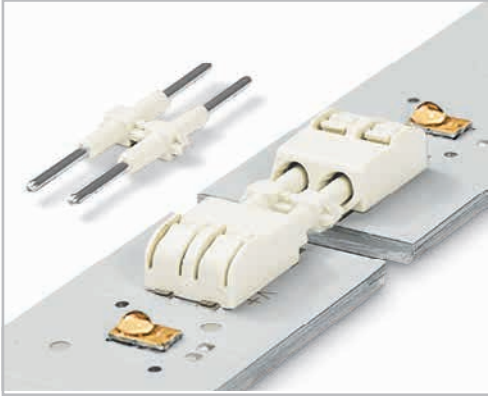
Inserting solid conductors via push-in termination.



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 mm², 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:

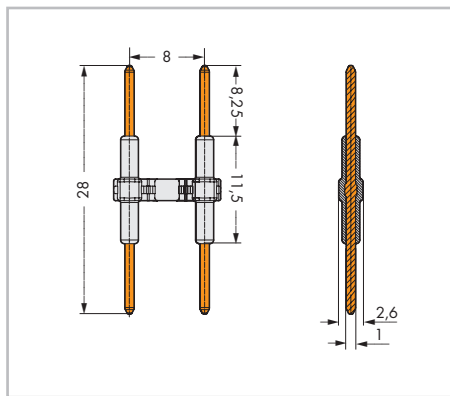
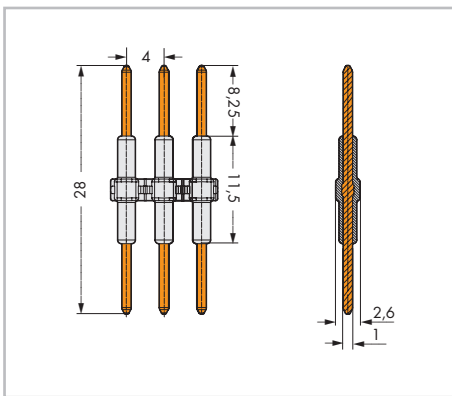
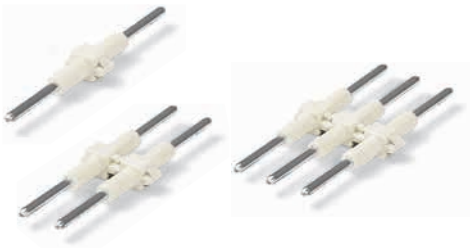
Pin Spacing	4 mm 0.157 in.			8 mm 0.314 in.			
	IEC/EN 60664-1			IEC/EN 60664-1			
Ratings per	III	III	II	III	III	II	
Overvoltage category	3	2	2	3	2	2	
Pollution degree	3	2	2	3	2	2	
Rated voltage	63 V	160 V	320 V	400 V	630 V	1000 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	6 kV	6 kV	6 kV	
Nominal current	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

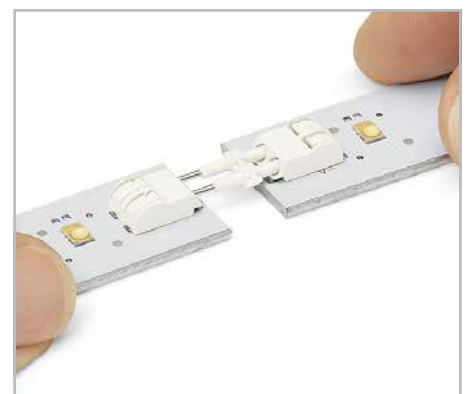
Board-to-Board Links for SMD PCB Terminal Blocks with Push-Buttons, 0.75 mm²

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

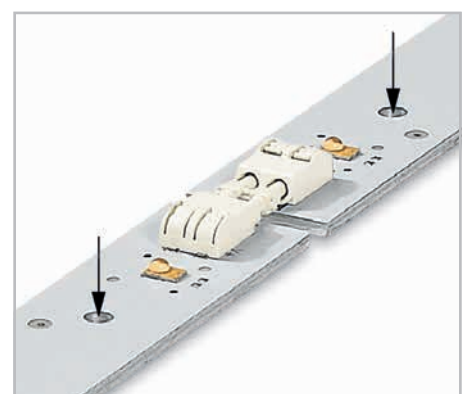
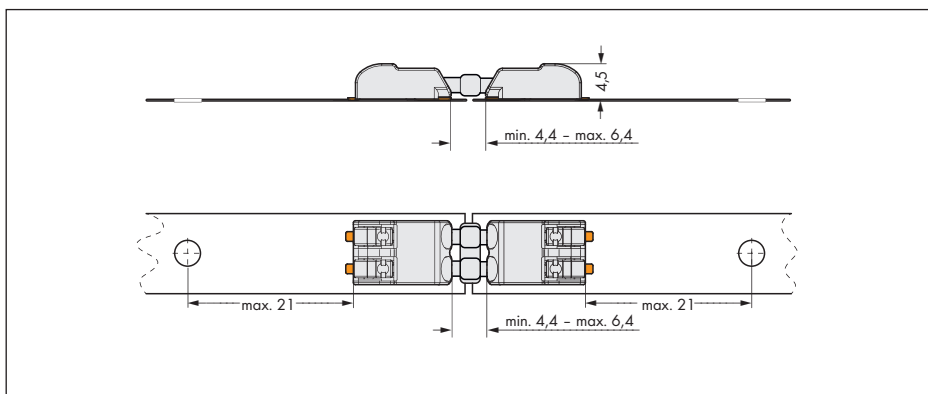


Inserting board-to-board link into terminal block.

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			

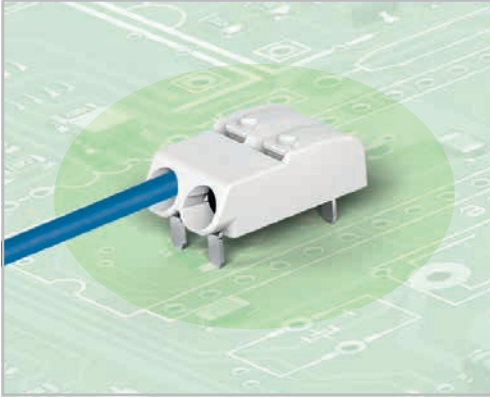


Assembly: Place PCBs on a flat surface and insert links into terminal blocks on adjoining PCBs. Disassembly: Pull PCBs apart. (max. 10 connections/disconnections)



The PCBs must be secured (see figure left).

THR PCB Terminal Blocks with Push-Buttons, 1.5 mm² 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:

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 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 ²
Conductor size: fine-stranded	0.5 ... 1.5 mm ²
Conductor size: fine-stranded	0.5 ... 0.75 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.5 ... 0.75 mm ² (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 ^{+0.1} mm Ø
Outer diameter of metal-plated PCB hole	min. 2.4 mm

Material data:

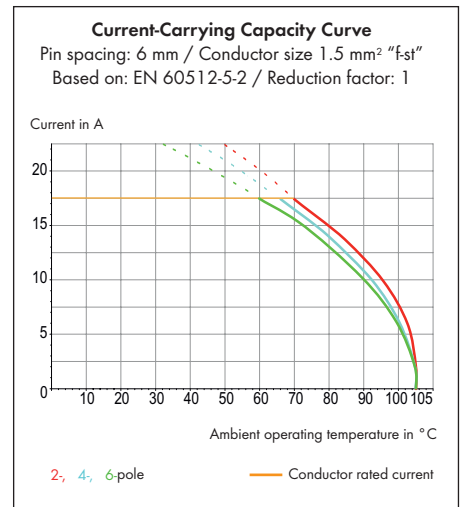
Material group	I
Insulation material	Glass-fiber-reinforced polyphthalamide (PPA-GF)
Flammability rating per UL 94	V0
Lower/Upper limit temperature	-60 °C / +105 °C
Contact material	Copper alloy
Contact plating	Tin-plated

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, 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.

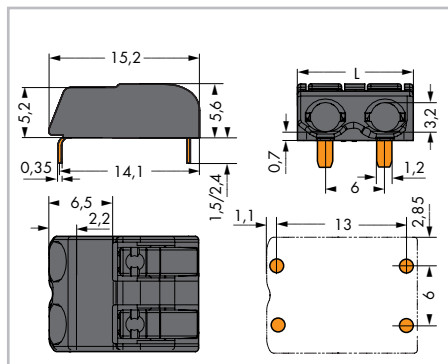
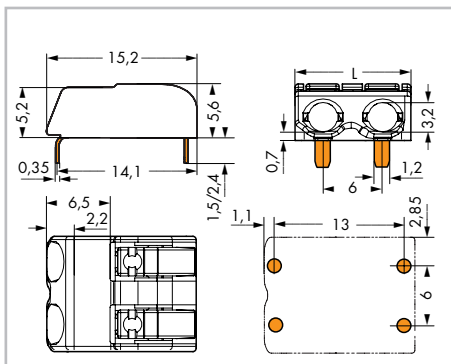


2061 Series accessories:

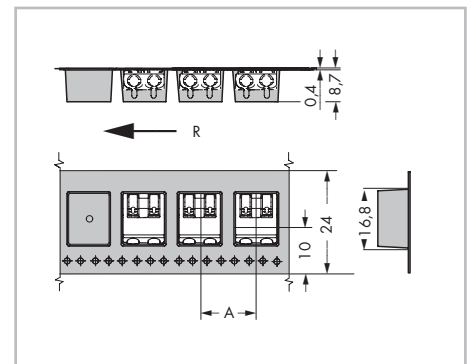
Volume 2/Page:

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

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



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
THR PCB terminal block with push-buttons in tape-and-reel packaging, white* Solder pin length: 2.4 mm			THR PCB terminal block with push-buttons in tape-and-reel packaging, black 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		

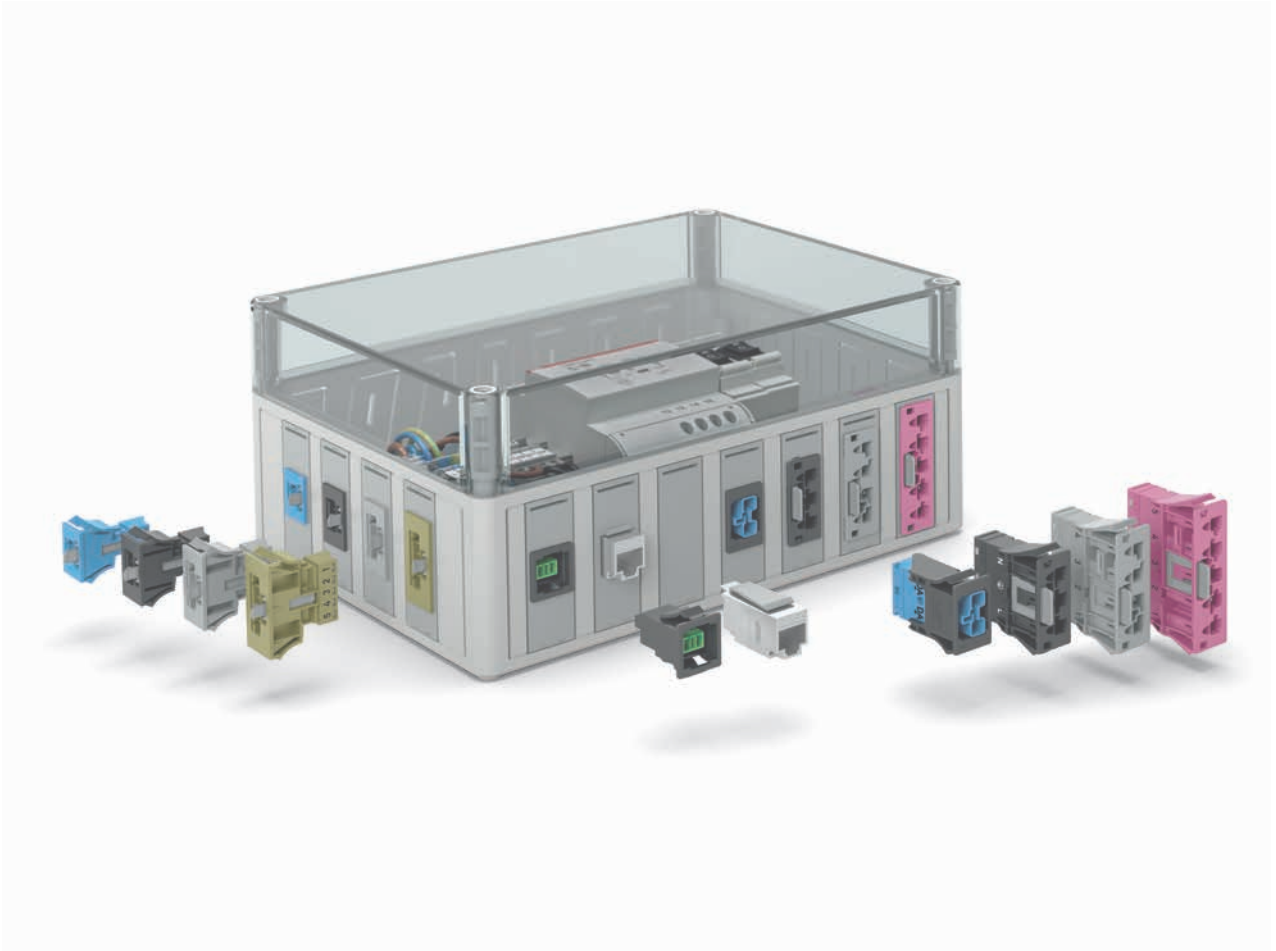


Inserting solid conductors via push-in termination.








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

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

WINSTA® MINI

Locking Levers, Intermediate Couplers, 4-Pole

	Locking levers, manually operated	Intermediate couplers 400 V/6 kV/3 I _N 16 A ① Approvals
--	--------------------------------------	---



Description	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Locking lever, Intermediate coupler, 4-pole	Locking lever, for "flying leads," manually operated			Intermediate coupler, 1 x plug/1 x socket		
	black	890-101	100 (2x50)	● black	890-604	50
	white	890-121	100 (2x50)	○ white	890-654	50
				At least one snap-in connector WITHOUT locking lever is required on one side when connecting two lights directly via intermediate coupler.		
Info	Dimensions					

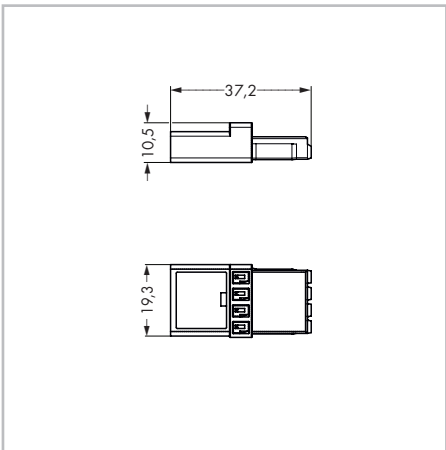
① Approvals see www.wago.com

② 5.0 mm Ø, 0.2 – 1.2 mm plate thickness

③ 6.0 mm Ø, 1 – 2.5 mm plate thickness

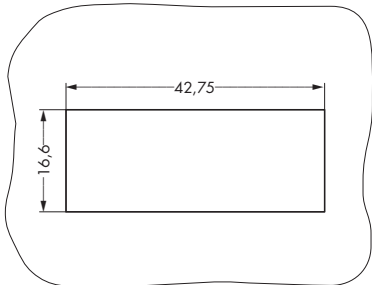
● black	Coding A	(N ⊕ 1 2 3)
○ white	Coding A	(N ⊕ 1 2 3)
● gray	Coding B	(1 2)
● light green	Coding B	(1 2)
● pink	Coding B	(1 2)

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






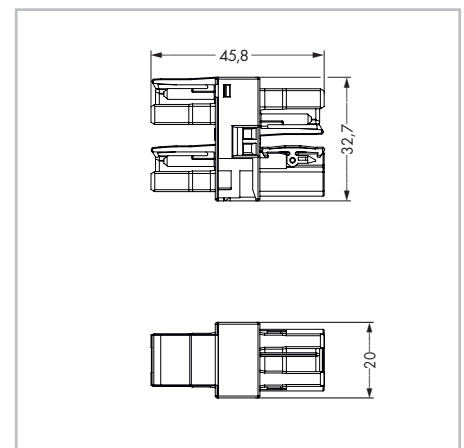
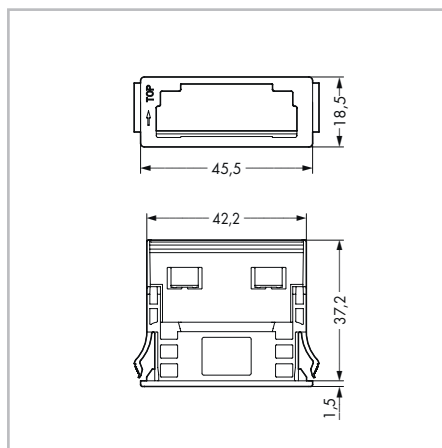
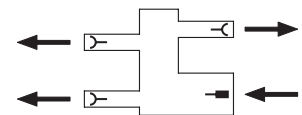
WINSTA® MIDI/MIDI special Snap-In Frames, 4-pole Distribution Connectors, 2-pole

Cutout dimensions Plate thickness: 0.5 ... 3 mm Cutout tolerance: + 0.1 mm	Snap-in frames – for 4-pole sockets and plugs	Distribution connectors 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						
					Mounting plate, for distribution connectors  <ul style="list-style-type: none"> ● black 770-1626 25 ○ white 770-1627 25 	
					Fixing pin, for mounting plates  <ul style="list-style-type: none"> ② black 890-601 250 ③ black 770-601 250 	
					Lockout cap, for socket, separable, 12-pole  <ul style="list-style-type: none"> ● black 770-201 100 ○ white 770-221 100 	
	Dimensions					

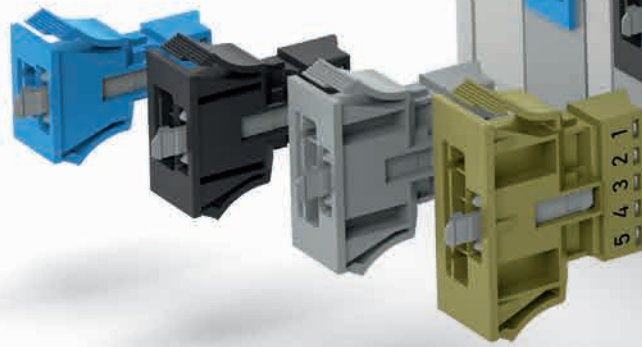


WINSTA® System Box – For Greater Building Technology Diversity

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

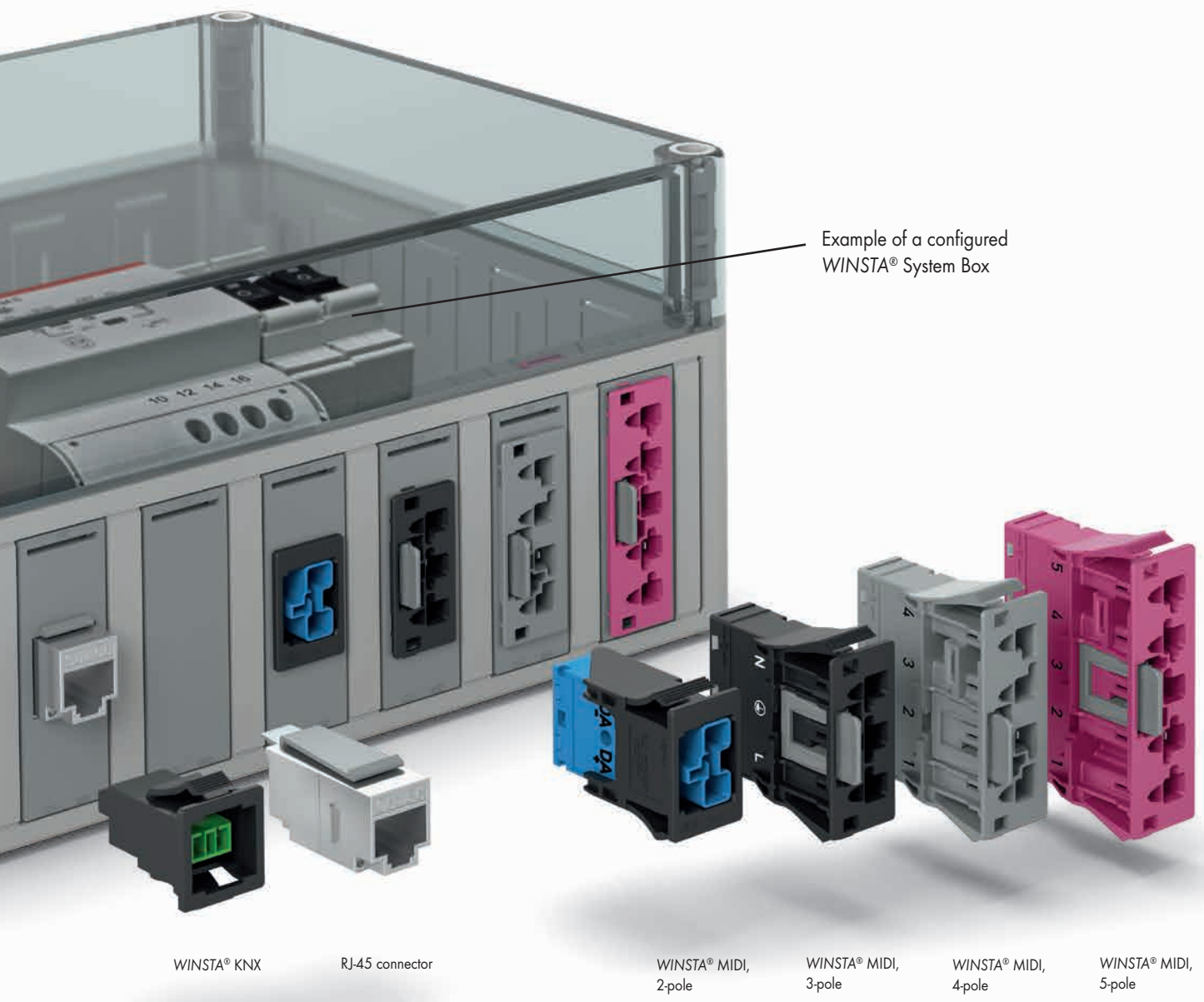
The WINSTA® System Box – For a Variety of Applications:

- 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

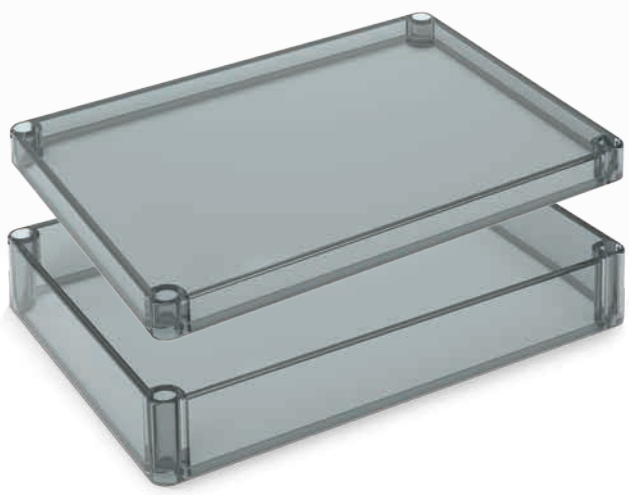
WINSTA® MIDI,
3-pole

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
Marking strip, self-adhesive, plain, 20 m on roll			Labels, plain, 25 x 50 mm, 500 markers on roll			Shrink tube for conductor marking, halogen-free, 2:1 shrink ratio		
Suitable ink ribbon	258-5005	1	○ silver	210-812	1	Suitable ink ribbon	258-5005	1
10 mm wide						20 m on roll		
○ white	210-870	1				2.4 mm Ø, 0.25 ... 0.75 mm ²		
○ silver	210-871	1				○ white 211-500 1		
20 mm wide						● yellow 211-500/000-002 1		
○ white	210-872	1				3.2 mm Ø, 0.75 ... 1 mm ²		
○ silver	210-873	1				○ white 211-501 1		
30 mm wide						● yellow 211-501/000-002 1		
○ white	210-874	1				4.8 mm Ø, 1 ... 2.5 mm ²		
○ silver	210-875	1				○ white 211-502 1		
46 mm wide						● yellow 211-502/000-002 1		
○ white	210-876	1				6.4 mm Ø, 4 ... 6 mm ²		
● yellow	210-876/000-002	1				○ white 211-503 1		
○ silver	210-877	1				● yellow 211-503/000-002 1		
99 mm wide, for TP 298+ Thermal Transfer Printer						15 m on roll		
○ white	210-878	1				9.5 mm Ø, 10 ... 16 mm ²		
○ silver	210-879	1				○ white 211-504 1		
Suitable ink ribbon	258-157	1				● yellow 211-504/000-002 1		
						12.7 mm Ø, 25 ... 35 mm ²		
						○ white 211-505 1		
						● yellow 211-505/000-002 1		
						19 mm Ø, 35 ... 50 mm ²		
						○ white 211-506 1		
						● yellow 211-506/000-002 1		

Item Number Index

Item No.	Page	Item No.	Page	Item No.	Page	Item No.	Page
210 Series		709 Series		859 Series		2002 Series	
210-133	24	709-107	22	859-500	5	2002-115	11
210-136	12					2002-121	11
210-137	12	726 Series		890 Series		2002-171	11
		726-770	22	890-101	28	2002-172	11
210-334	21			890-121	28		
210-509	15	726-905	22			2002-423	14
				890-601	29	2002-423/000-005	14
210-719	8	734 Series		890-604	28	2002-423/000-006	14
		734-326	12	890-654	28		
210-812	43	734-327	12			2002-541	12
210-870	43	734-328	12	2000 Series		2002-1208	4
210-871	43	734-329	12	2000-115	5		
210-872	43			2000-121	8	2002-1308	4
210-873	43	770 Series					
210-874	43	770-201	39	2000-402	5	2002-2201/097-000	11
210-875	43	770-221	39	2000-402/000-018	14	2002-2201/098-000	11
210-876	43			2000-403	5	2002-2295	11
210-876/000-002	43	770-319	39	2000-404	5	2002-2296	11
210-877	43	770-339	39	2000-405	5		
210-878	43			2000-405/011-000	5	2006 Series	
210-879	43	770-601	39	2000-406	5	2006-401/000-050	15
				2000-406/020-000	5	2006-451	15
211 Series		770-1626	39	2000-407	5		
211-500	43	770-1627	39	2000-408	5	2009 Series	
211-500/000-002	43			2000-409	5	2009-110	5
211-501	43	770-1704	39	2000-410	5	2009-113	42
211-501/000-002	43	770-1705	39	2000-433	5	2009-115	16
211-502	43	770-1706	39	2000-434	5	2009-174	5
211-502/000-002	43			2000-435	5	2009-180	14
211-503	43	773 Series		2000-436	5	2009-182	5
211-503/000-002	43	773-332	18	2000-437	5		
211-504	43			2000-438	5	2009-402	5
211-504/000-002	43	773-602	18	2000-439	5	2009-404	5
211-505	43	773-604	18	2000-440	5	2009-406	5
211-505/000-002	43	773-606	18				
211-506	43			2000-510	12	2009-515	42
211-506/000-002	43	790 Series		2000-511	12		
		790-100	24	2000-519	12	2009-615	42
215 Series		790-101	24	2000-552	12		
215-111	5	790-115	24	2000-553	12	2020 Series	
		790-133	24	2000-554	12	2020-100	5
221 Series		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
222 Series		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
249 Series		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	2060 Series	
		790-220	24	2000-5311/1102-950	8	2060-951/028-000	33
				2000-5317/101-000	10	2060-952/028-000	33
258 Series				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	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
284 Series		793 Series		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
285 Series						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	2061 Series	
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
2061 Series							
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						

Algeria
please contact WAGO France

Argentina
Bruno Schillig S.A.
Arenales 4030, B1604CFD
Florida, PBA
Phone +54 11 4730 1100
Fax +54 11 4761 7244
wago@schillig.com.ar

Austria
WAGO Kontakttechnik Ges.m.b.H.
Europaring F15 602
Campus 21
2345 Brunn am Gebirge
Phone +43 1 6150780
Fax +43 1 6150775
info.at@wago.com

Azerbaijan
AZ Technics LTD
Zulfi V. Alizade
Y.Safarov str.33, AZ1025,
Baku
Republic of Azerbaijan
Phone +994 12 496 8335
Fax +994 12 496 8334
info@AZtechnics.az

Australia
WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park, Victoria, 3174
Phone +61 03 8791 6300
Fax +61 03 9701 0177
sales@wago.com.au

**NHP ELECTRICAL ENGINEERING
PRODUCTS PTY LTD**
43-67 River Street
Richmond, Victoria, 3121
P.O. Box 199
Phone +61 3 9429 2999
Fax +61 3 9429 1075
export@wago.com

Bangladesh
please contact WAGO India

Belarus
OOO FEK
pr-t Pushkina 29-B
220015 Minsk
Phone +375 17 2102189
Fax +375 17 2102189
wago@fek.by

UP ATAVA
ul. Denisovskaya, 47, office 1
220006 Minsk
Phone +375 17 2054015
Fax +375 17 2851759

Belgium
WAGO Belux nv
Excelsiorlaan 11
1930 Zaventem
Phone +32 2 717 9090
Fax +32 2 717 9099
info-be@wago.com

Bolivia
ISOTEK S.R.L.
Zona Casco Viejo
Calle Isso #578, B/San Roque
Santa Cruz
Phone +591 721 000 27

Bosnia and Herzegovina
please contact WAGO Bulgaria

Brazil
WAGO Eletroeletrônicos Ltda
Rua Américo Simões 1470
São Roque da Chave
Itupeva SP Brasil 13295-000
Phone +55 11 4591 0199
Fax +55 11 4591 0190
info.br@wago.com

Bulgaria
WAGO Kontakttechnik GmbH & Co. KG/
Representative Office Sofia
Business Center Serdika
2E Akad. Ivan Geshov Blvd.
Building 1, Floor 4, Office 417
1330 Sofia
Phone +359 2 489 46 09/10
Fax +359 2 928 28 50
info-BG@wago.com

Canada
please contact WAGO USA

Chile
Desimat Chile
Av Puerto Vespuccio 9670
Pudahuel Santiago
Phone +56 2 747 0152
Fax +56 2 747 0153
ventaschile@desimat.cl

China
WAGO ELECTRONIC (TIANJIN) Co. LTD
No.5, Quan Hui Road
Wuqing Development Area
Tianjin 301700
Phone +86 22 5967 7688
Fax +86 22 5961 7668
info-cn@wago.com

Colombia
T.H.L. Ltda.
Cra. 49 B # 91-33
Bogotá
Phone +57 1 621 85 50
Fax +57 1 621 60 28
ventas-thl@thltda.com

Croatia
M.B.A. d.o.o.
Frana Supila 5
51211 Matulji
Phone +385 51 275-736
Fax +385 51 275-066
mba@ri.hinet.hr

MICROSTAR d.o.o.
Sigeet 18 b
10020 Zagreb
Phone +385 1 3647 849
Fax +385 1 3636 662
wago@microstar.hr

Czech Republic
WAGO Elektro spol. sr. o.
Rozvadova 1116/36
143 00 Praha 4 - Modřany
Phone +420 261 090 143
Fax +420 261 090 144
info.cz@wago.com
wago-cz@wago.com

Denmark
WAGO Denmark A/S
Lejvej 17
3500 Værløse
Phone +45 44 357 777
info.dk@wago.com

Egypt
IBN Engineering Instrumentation & Control
71 a El Shaheed Ahmed Hamdi St.
King Faisal, Giza
Phone +20 2 721 4350
Fax +20 2 722 1709
sales@ibnengineering.com

Germany
WAGO Kontakttechnik GmbH & Co. KG
Postfach 28 80, 32385 Minden
Hansastraße 27
32423 Minden
Phone +49 571 887-0
Fax +49 571 887-169
info@wago.com

WAGO Kontakttechnik GmbH & Co. KG
Waldstraße 1
99706 Sondershausen
Phone +49 3632 659-0
Fax +49 3632 659-100
info@wago.com

Ecuador
ECUAINSETEC CIA LTDA
El Zurriago E9-32 y el Vengador
Quito
Phone +593 2 2 26 91 48
Fax +593 2 2 46 18 33
g.castro@ecuainsetec.com.ec

Estonia
Eltarko OÜ
Laki 14 - 502
10621 Tallinn
Phone +372 651 7731
Fax +372 651 7786
andres@eltarko.ee

Finland
WAGO Finland Oy
Vellamonkatu 30 B
00550 Helsinki
Phone +358 9 7744 060
Fax +358 9 7744 0660
tilaus@wago.fi

France
WAGO Contact SAS
Paris Nord 2
83 Rue des Chardonnerets
B.P. 55065 - Tremblay en France
95947 - ROISSY CDG CEDEX
Phone +33 1 4817 2590
Fax +33 1 4863 2520
info-fr@wago.com

Great Britain
WAGO Limited
Triton Park, Swift Valley Industrial Estate
RUGBY
Warwickshire, CV21 1SG
Phone +44 1788 568 008
Fax +44 1788 568 050
uksales@wago.com

Greece
PANAGIOTIS SP. DIMOULAS - BIOMAT
DIMOULAS AUTOMATIONS
Kriti Str. 26
10439 Athen
Phone +30 210 883 3337
Fax +30 210 883 4436
wago.info@dimoulas.com.gr

Honduras
CILASAS S.A. de C.V.
Barrio Los Andes
7 Calle entre 14 y 15 Ave. N.O.
P.O. Box. 1061
San Pedro Sula
Phone +504 2557 1146/7
Fax +504 2557 1149

Hong Kong
National Concord Eng., Ltd.
Unit A-B, 5/F.
Southeast Industrial Building
611-619 Castle Peak Road
Tsuen Wan, N.T.
Phone +852 2429 2611
Fax +852 2429 2164
sales@nce.com.hk

Hungary
WAGO Hungária KFT
Ipari Park, Gyár u. 2
2040 Budapest
Phone +36 23 502-170
Fax +36 23 502-166
info.hu@wago.com

Iceland
S. Gudjonsson ehf.
Audbrekku 9-11
202 Kopavogur
Phone +354 520-4500
Fax +354 520-4501
export@wago.com

India
WAGO Private Limited
C-27, Sector-58, Phase-III
Noida-201 301
Gautam Budh Nagar (U.P.)
Phone +91 120 438 8700
Fax +91 120 438 8799
info.india@wago.com

Indonesia
please contact WAGO Singapore

Iraq
please contact WAGO Middle East

Ireland
Drives & Controls
Unit F4, Riverview Business Park
Nangor Road
Dublin 12
Phone +353 1 4604474
Fax +353 1 4604507
wago@drivesandcontrols.ie

Israel
Comtel Israel Electronic Solutions Ltd.
Bet Hapaamon
20 Hataas Street
P.O. Box 66
44425 Kefar-Saba
Phone +972 9 76 77 240
Fax +972 9 76 77 243
sales@comPhoneco.il

Italy
WAGO ELETTRONICA SRL a Socio Unico
Via Parini 1
40033 Casalecchio di Reno (BO)
Phone +39 051 6132112
Fax +39 051 6272174
info-ita@wago.com

Japan
WAGO Co. of JAPAN Ltd.
Kinshicho Prime Tower
5-7, Kameido, Koto-Ku
Tokyo 136-0071
Phone +81 3 5627 2059
Fax +81 3 5627 2055
info-jp@wago.com

Jordan
please contact WAGO Middle East

Kazakhstan
TOO INTANT
232/2, Ryskulov avenue
050061 Almaty
Phone +7 727 356 52 91/92/93
Fax +7 727 327 14 92/93
ee@intant.net
ees_sm1@intant.net

TOO Technik-Trade
ul. i. A. Protosanova, 81
070004 Ust-Kamenogorsk
Phone +7 7232 254 064
Fax +7 7232 253 251
info@technik.kz

Korea
WAGO Korea Co., Ltd.
Room 205 AnyangMegaValley,
268, Hagui-ro, Dongan-gu, Anyang-si,
Gyeonggi-do, 14056, South Korea
Phone +82 31 421 9500
info.korea@wago.com

Kosovo
please contact WAGO Bulgaria

Latvia
INSTABALT LATVIA SIA
Vestienas iela 6
Riga, LV-1035
Phone +371 790 1188
Fax +371 790 1180
info@instabalt.lv

Lebanon
Gemayel Trading & Contracting
Antoninis Project
P.O. BOX 70-1096
Antelias
Lebanon
Phone +961 4 521 029
Fax +961 4 521 029
indo@uae.com

Lithuania
INSTABALT LIT UAB
Savanoriu 187
Vilnius, 2053
Phone +370 52 322 295
Fax +370 52 322 247
info@instabalt.lt

Luxembourg
please contact WAGO Belgium

Macedonia
please contact WAGO Bulgaria

Kompjnet Inzenering
Vladimir Komarov 1A-3/9
1000 Skopje
Republic of Macedonia
Phone +389 2 521 12 00
Phone +389 2 246 11 08

Malaysia
WAGO Representative Office Malaysia
No 806, Block A4, Leisure Commerce Square,
No 9, Jalan PJS 8/9, 46150 Petaling Jaya,
Selangor Darul Ehsan, Malaysia
Phone +60 3 7877 1776
Fax +60 3 7877 2776
kian.guan.tan@wago.com

HPH Materials (M) Sdn Bhd
No. 4, Jalan Nilam 1/6
Suban Hi-Tech Industrial Park
40000 Shah Alam
Selangor, D.E. Malaysia
Phone +60 3 5638 2213
Fax +60 3 5638 8213
info@hphmaterials.com

Maledives
please contact WAGO India

Mexico
WAGO SA de CV
Av. Del Marques 38 Bodega 3
P. I. Bernardo Quintana
76240 El Marques, Querétaro
Phone +52 442 221 5946
Fax +52 442 221 5063
info.mx@wago.com

Moldova

Electroservice Slavinski T.T.
str. Bolgarskaia 9, office 6
2001 Kishinev
Phone +373 22 274427
Fax +373 22 224481
es@es.mldnet.com

Morocco

Automatisme & Connection Maroc
23, Rue Boured
2ème étage, appt4
Roche Noire
20300 Casablanca
Phone +212 522 24 21 72/73
Fax +212 522 24 21 75

Nepal

please contact WAGO India

Netherlands

WAGO Nederland B.V.
Laan van de Ram 19
7234 BW APELDOORN
Phone +31 55 36 83 500
Fax +31 55 36 83 599
info-nl@wago.com

New Zealand

please contact WAGO Australia

NHP NZ

7 Lockhart Place
Mt Wellington
New Zealand
Phone +64 9 2761967
Fax +64 9 2761992
export@wago.com

Nigeria

Gil Automations Ltd.
Daily Times Complex
2 Lateef Jakande Rd., Agidingbi
100271 Ikeja, Lagos State
Phone +234 17132672335
sales@gilautomation.com

Norway

WAGO Norge AS
Jerikoveien 20
1067 Oslo
Phone +47 22 30 94 50
Fax +47 22 30 94 51
info.no@wago.com

Oman

please contact WAGO Middle East

Pakistan

FuziLogiX Automation & Control
Suit No. 14, 5th Floor, Shan Arcade
New Garden Town, Lahore
Pakistan
Phone +92 42 594 1503 - 4
Fax +92 42 585 1431
info@fuzilogix.com

Peru

Manufacturas Eléctricas S.A.
Av O.R. Benavides 1215
15000 Lima
Phone +511 6196200
Fax +511 6196247

Philippines

please contact WAGO Singapore

Poland

WAGO ELWAG sp. z o. o.
ul. Piękna 58 a
50-506 Wrocław
Phone +48 71 3602970
Fax +48 71 3602999
wago.elwag@wago.com

Portugal

MORGADO & CA. LDA - SEDE
Estrada Exterior da
Circunvalação 3558/3560
Apartado 1057
4435 Rio Tinto
Phone +351 22 9770600
Fax +351 22 9770699
geral@morgadocl.pt

Qatar

please contact WAGO Middle East

Romania

WAGO Kontakttechnik GmbH & Co. KG/
Representative Office Bukarest
Str. Nicolae G. Caramfil Nr. 26
Bl. 1D, Et. 3, Ap. 7, Sect. 1, OP 52
014144-Bucuresti
Phone +40(0)31 421 85 68
info-RO@wago.com

Romania

VDR & Servicii srl
Str. Valeriu Braniste, nr. 60, ap.1, sector 3
Romania
Phone +40 21 3225074/76
Fax +40 21 3225075
office@componente-automatizari.ro

Russia

OOO WAGO Contact Rus
Dmitrovskoe shosse, 157,
bldg. 12/5
127411 Moscow
Russia
Phone +7 495 663-3305
Fax +7 495 663-3308
info.ru@wago.com

OOO Decima

Projesd 4922, d. 4, str. 1
124460 Moscow / Selenograd
Phone +7 495 988 4858
Fax +7 495 988 4858

OOO Prosoft

ul. Profsouznaya, 108
117437 Moscow
Phone +7 495 2340636
Fax +7 495 2340640
info@prosoft.ru

ITC Electronics: Moscow

Radio str. 24
105005 Moscow
Phone +7 495 775 1845
Fax +7 495 775 1848
moscow@itc-electronics.com

WAGO Branch office

Ekaterinburg
Phone +7 343 216 3426

WAGO Branch office

Novosibirsk
Phone +7 383 217 9244

WAGO Branch office

St. Petersburg
Phone +7 812 312 1918

Saudi Arabia

Saudi Electronic Trading Company (SETRA)
P.O. Box 60712
11555-Riyadh
Phone +966 1 2062277
Fax +966 1 2062277
khaled.wafai@setra.com.sa

Serbia

please contact WAGO Bulgaria

Avalon Partners doo

Patrijarha Dimitrija 24
11000 Beograd
Phone +381 11 268 5311
Fax +381 11 268 5311
office@avalon.rs

Sigma doo

Balzakova 3
21000 Novi Sad
Phone +381 21 468 431
Fax +381 21 636 1785
office@sigmadoo.co.rs

Singapore

WAGO Electronic Pte Ltd
No. 10 Upper Aljunied Link #04-04
Singapore 367904
Phone +65 62866776
Fax +65 62842425
info-sing@wago.com

Slovakia

Proelektro spol. s r.o.
Na barine 22
841 03 Bratislava - Lamač
Phone +421 2 4569 2303
info@wago.sk

Slovenia

IC elektronika d.o.o.
Vodovodna cesta 100
1000 Ljubljana
Phone +386 1568 0126
Fax +386 1568 9107
info@ic-elect.si

GENERA d.o.o.

Prevale 10
1236 Trzin
Phone +386 14393050
Fax +386 14393090
genera@genera.si

Slovenia

Elektronabava d.o.o.
Cesta 24 junija 3
1231 Ljubljana
Phone +386 1 58 99 300
Fax +386 1 58 99 409
info@elektronabava.si

South Africa

Shorrock Automation (Pty) Ltd
Postnet Suite # 219
Private Bag X 8, Elardus Park
0047 PRETORIA
Phone +27 12 4500300
Fax +27 12 4500322
sales@shorrock.co.za

Spain

DICOMAT S.L.
Avda. de la Industria, 36
Apartado Correos, 1.178
28108-Alcobendas (Madrid)
Phone +34 91 662 1362
Fax +34 91 661 0089
info@dicomat.com

Sweden

WAGO Sverige AB
Tyskland Filial
Box 11127, 161 11 BROMMA
Besöksadress: Adolfsbergsv. 31
Phone +46 858410680
Fax +46 858410699
info.se@wago.com

Switzerland

WAGO CONTACT SA
Rte. de l'Industrie 19
Case Postale 168
1564 Domdidier
Phone +41/26 676 75 00
Fax +41/26 676 75 01
info.switzerland@wago.com

Sri Lanka

please contact WAGO India

Syria

Zahabi Co.
8/5 Shouhadaa St., P.O. Box 8262
Aleppo
Phone +963 21 21 22 235 / 6
Fax +963 21 21 22 23 7
info.uae@wago.com

Taiwan R.O.C.

WAGO Contact, Ltd.
5F., No. 168, Jiankang Rd
Zhonghe City
Taipei County 23585, Taiwan
Phone +886 2 2225 0123
Fax +886 2 2225 1511
info.taiwan@wago.com

Thailand

WAGO Representative Office Thailand
4th Floor, KS Building
213/6-8 Rachada-Phisek Road
Dingdaeng, Bangkok 10400
Phone +66 2 6935611
Fax +66 2 6935612
warongkon.khankham@wago.com

US Power Distribution Co., Ltd.

4th Floor, KS Building
213/6-8 Rachada-Phisek Road
Dingdaeng, Bangkok 10400
Phone +66 2 2763040
Fax +66 2 2763049
uspowers2014@gmail.com

Tunisia

please contact WAGO France

Turkey

WAGO Elektronik Sanayi ve Ticaret Ltd. Şti.
Yukan Dudullu Mahallesi Bayraktar Bulvarı
Cad. Hattat Sok. No. 10
34775 Ümraniye - İstanbul
Phone +90 216 472 1133
Fax +90 216 472 9910
info.tr@wago.com

Ukraine

NPP Logicon
Predslavinskaya street, 39, office 303
03150 Kiev
Phone +380 44 5228019
Fax +380 44 2611803
info@logicon.ua

OOO Micropribor

ul. Kotelnikova, 4
03115 Kiev
Phone +380 44 5369386
Fax +380 44 5369387
sales@micropribor.kiev.ua

United Arab Emirates (UAE)

WAGO Middle East (FZC)
SAIF Zone, G4-282
P.O. Box 120665
Sharjah, UAE
Phone +971 6 5579920
Fax +971 6 5579921
info.uae@wago.com

Uruguay

Fivisa Electricidad
Avda. Uruguay 1274
11100 Montevideo
Phone +59 829 020 808
Fax +59 829 021 230
info@fivisa.com.uy

USA

WAGO CORPORATION
N120 W19129 Freistadt Road
Germantown, WI 53022
Phone +1 262 255 6222
Fax +1 262 255 3232
Toll-Free: 1-800 DIN Rail (346-7245)
info.us@wago.com

Venezuela

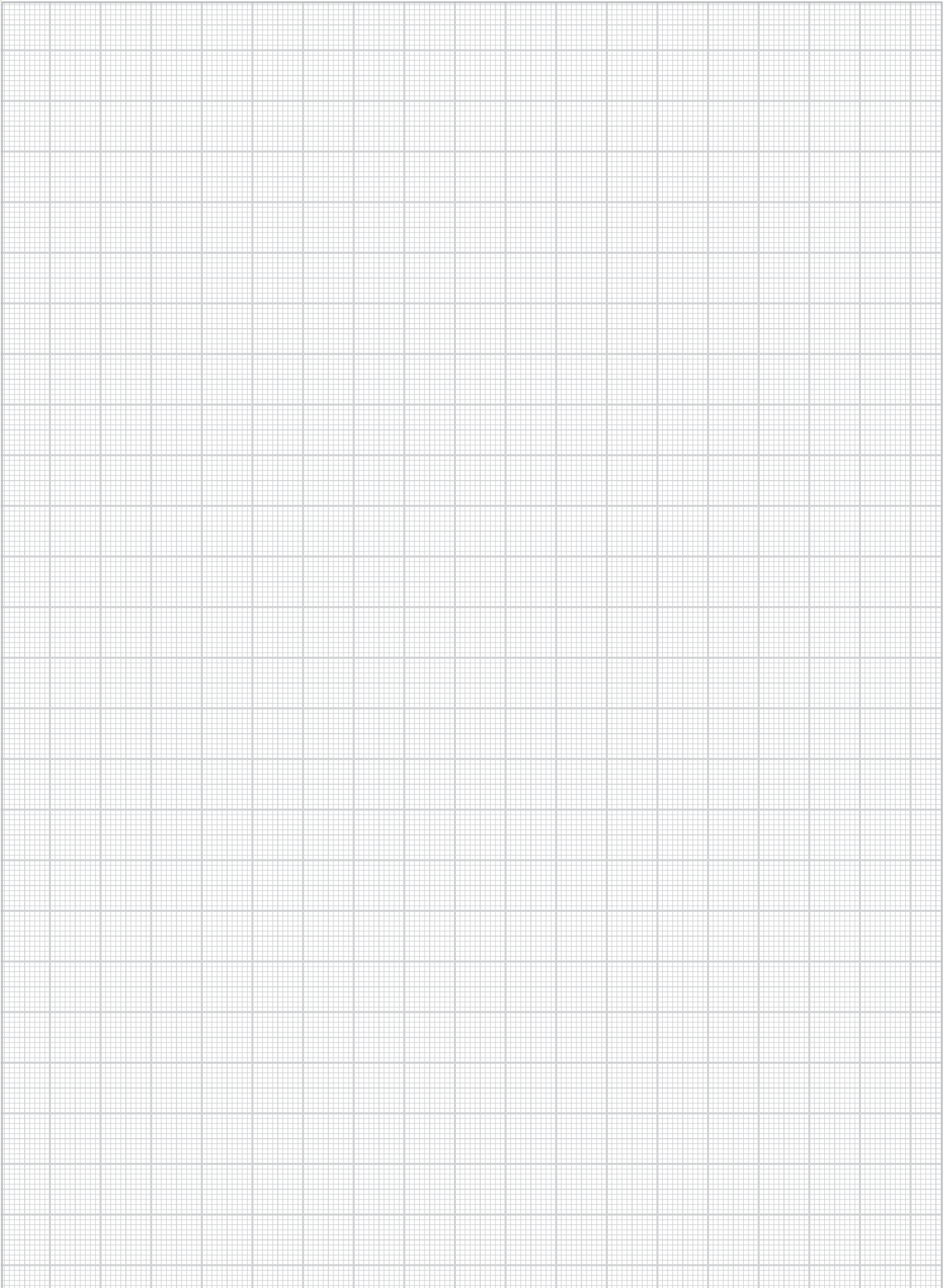
PETROBORNAS, C.A.
C.C. PLAZA AEROPUERTO - PISO 1 - LOCAL
P1 - B - 03
(8015) UNARE - PUERTO ORDAZ - ESTADO
BOLÍVAR
REPÚBLICA BOLIVARIANA DE VENEZUELA
Phone +58 286 951 3382
Fax +58 286 951 3382
info@petrobornas.com

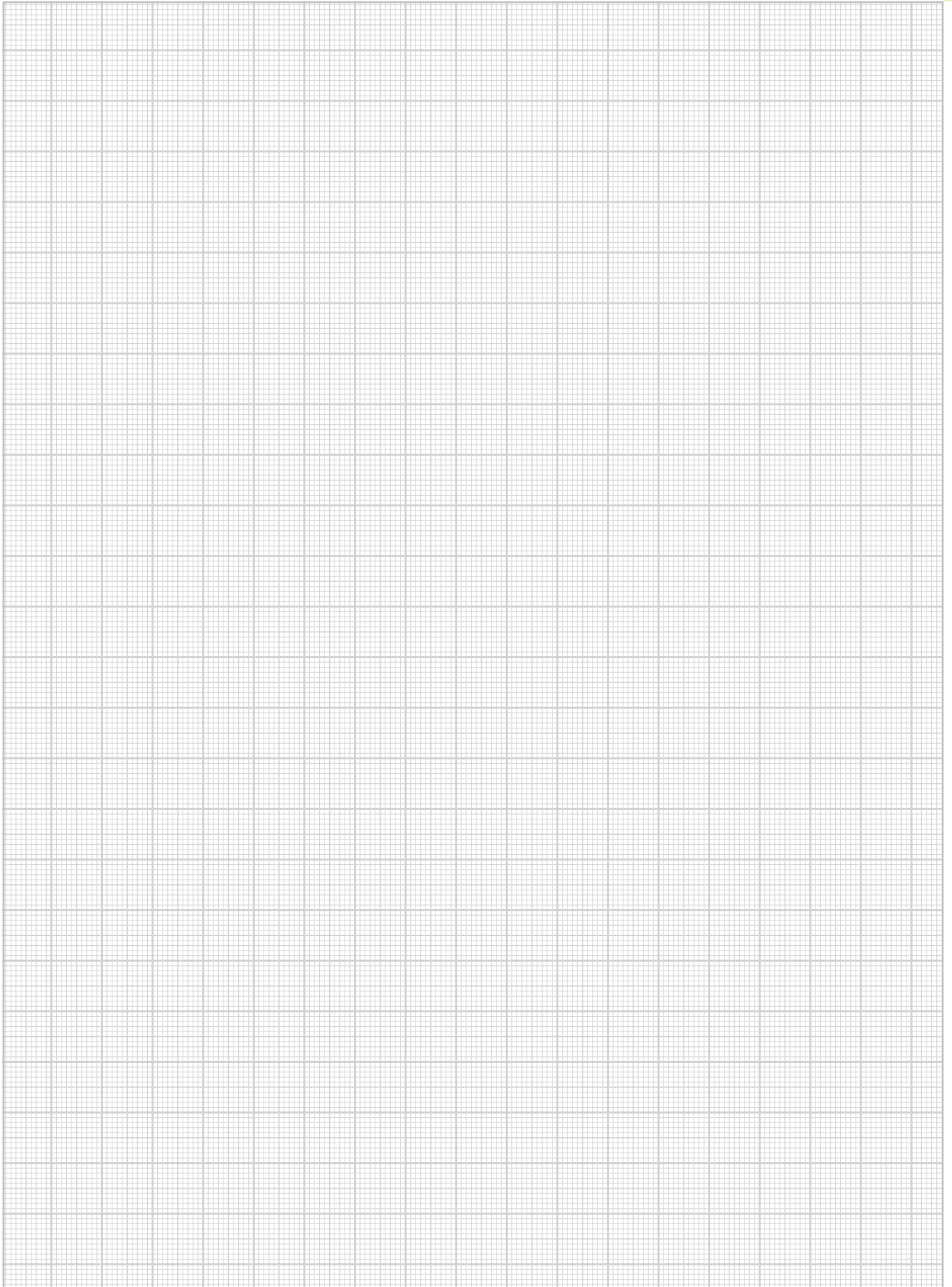
Vietnam

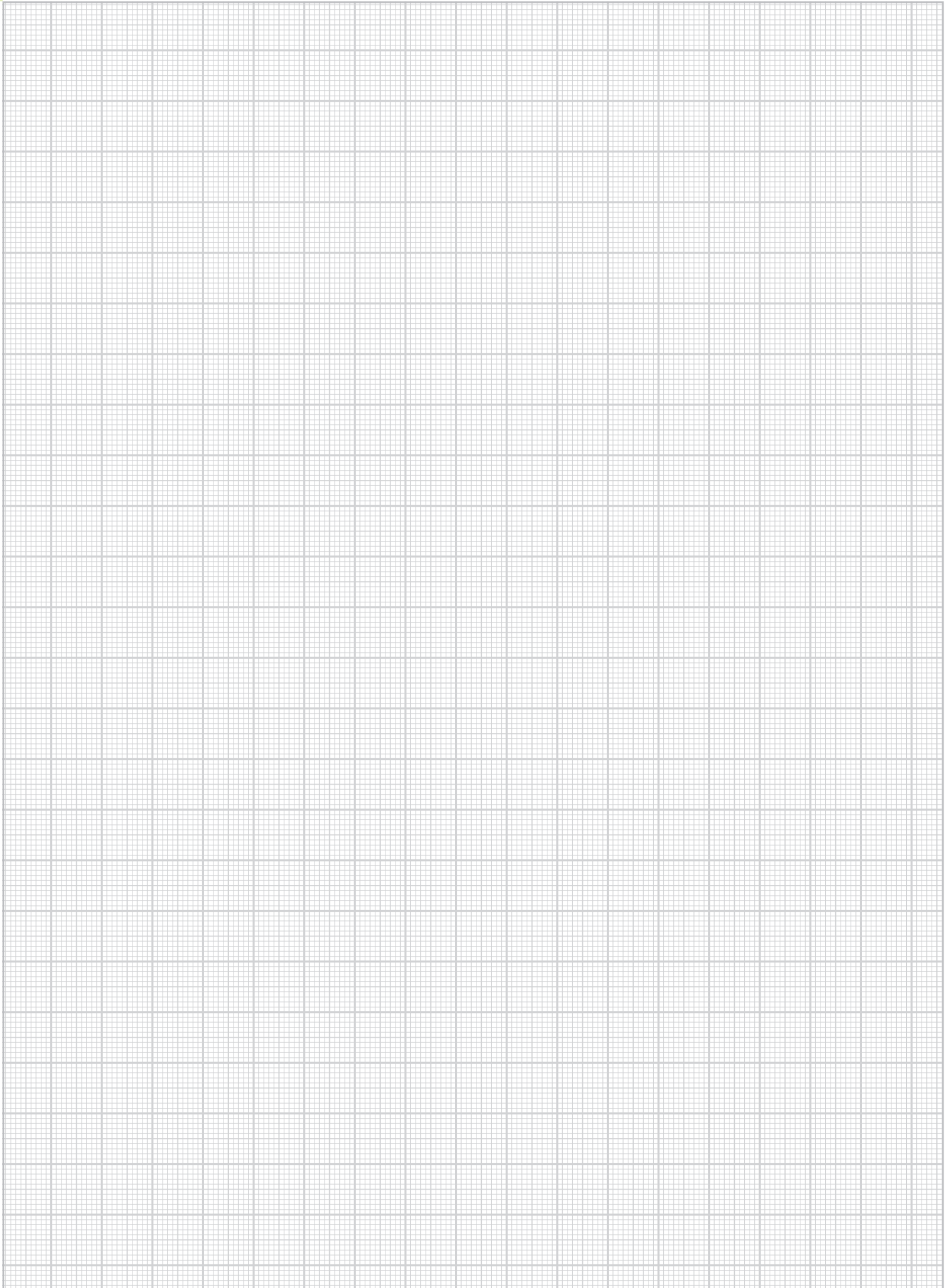
please contact WAGO Germany (Minden)

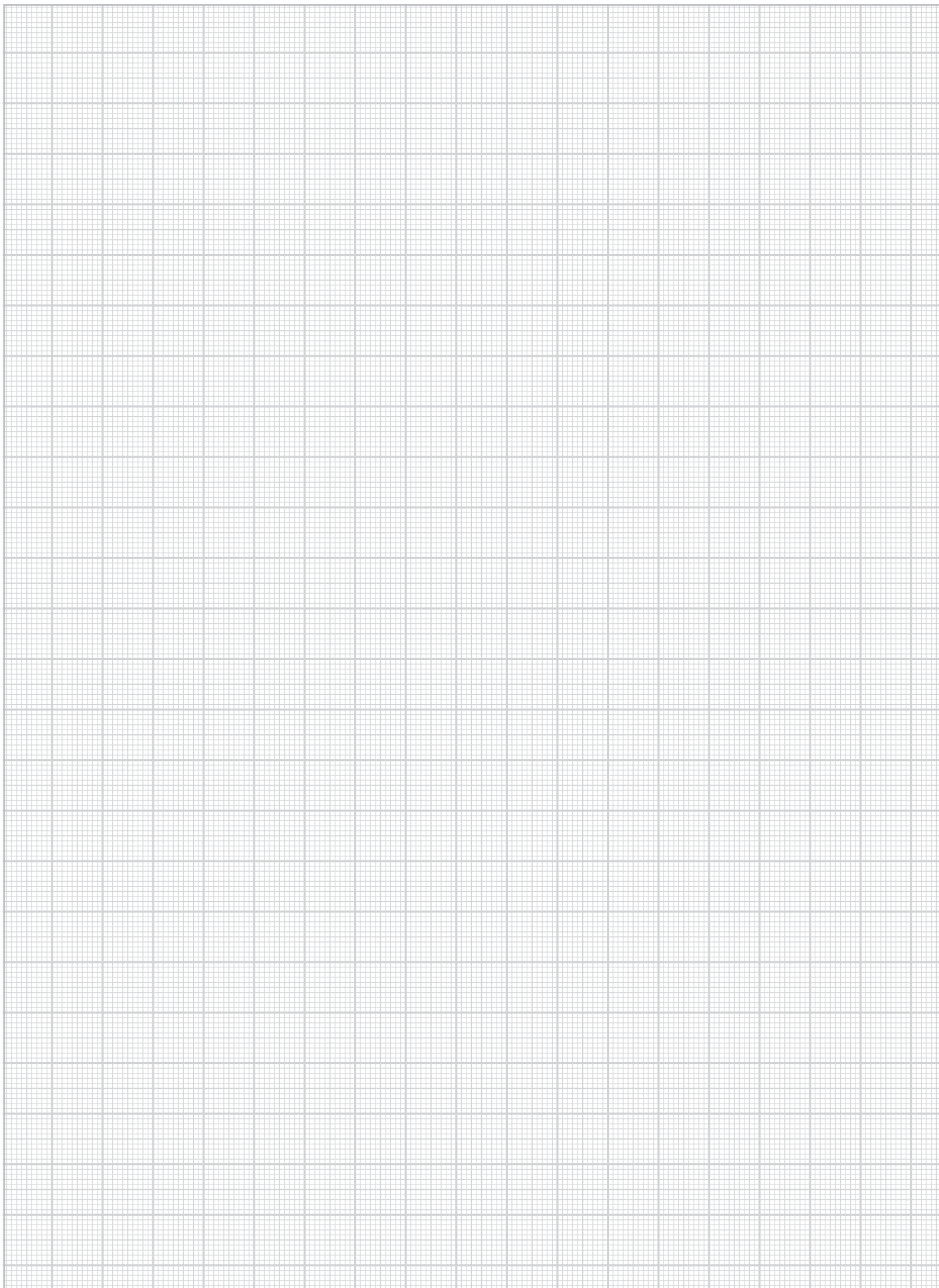
Version: 02/2016

Current addresses at www.wago.com









WAGO Kontakttechnik GmbH & Co. KG

Postfach 2880 · D · 32385 Minden

Hansastraße 27 · D · 32423 Minden

info@wago.com

www.wago.com

Headquarters	+49 571 887 - 0
Sales	+49 571 887 - 222
Order Service	+49 571 887 - 333
Fax	+49 571 887 - 169