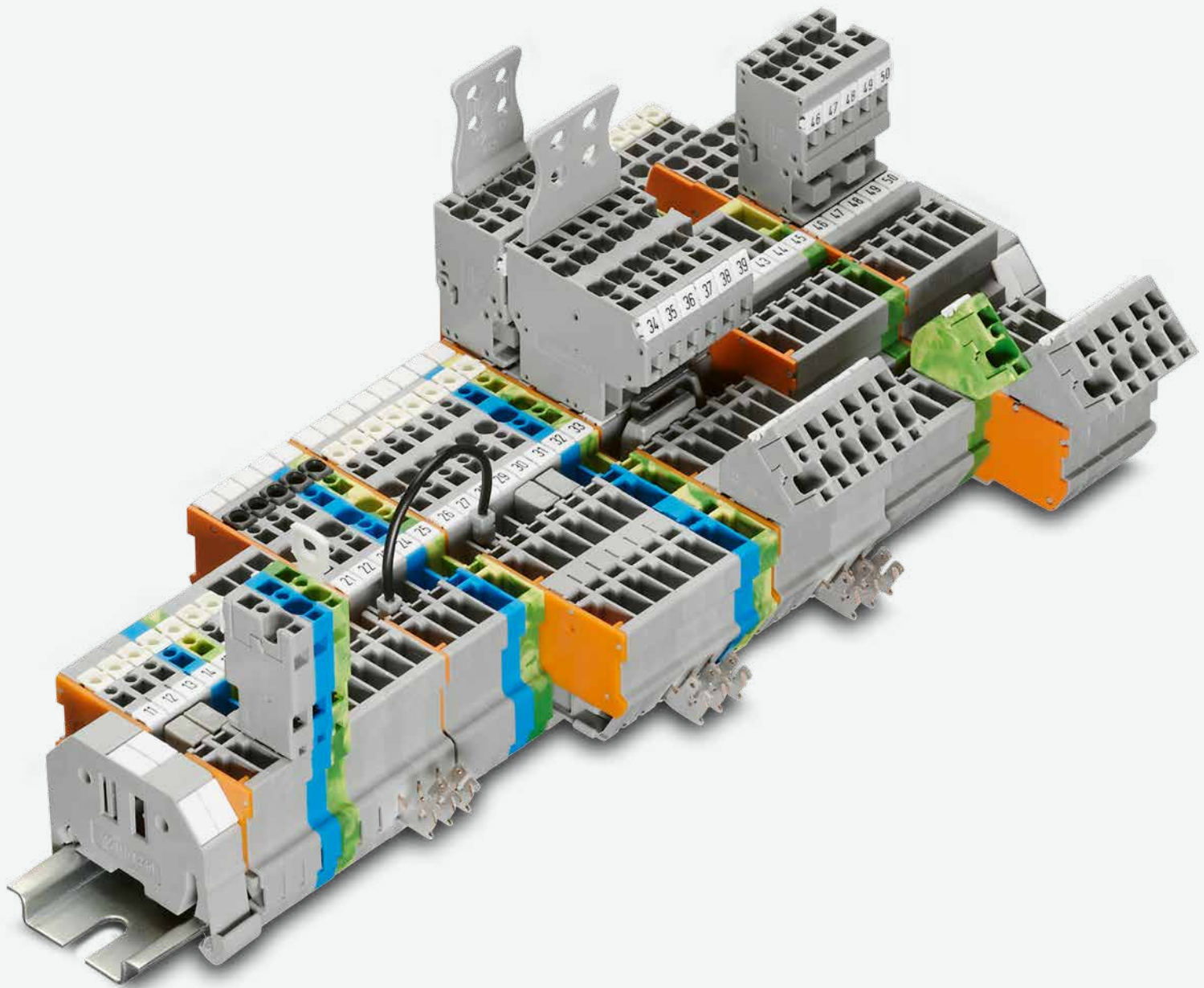




WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM[®]-SYSTEM

WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®-SYSTEM

			Page
	Carrier Terminal Blocks 0.08 ... 4 mm ² (28 ... 12 AWG)	769 Series	436
	Carrier Terminal Blocks; with Three Jumper Positions 0.08 ... 4 mm ² (28 ... 12 AWG)	769 Series	446
	Disconnect Carrier Terminal Blocks; with Two Jumper Positions 0.08 ... 4 mm ² (28 ... 12 AWG)	769 Series	438
	Diode and LED Carrier Terminal Blocks 0.08 ... 4 mm ² (28 ... 12 AWG)	769 Series	440
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	Double-Deck Carrier Terminal Blocks 0.08 ... 2.5 (4 "f-st") mm ² (28 ... 12 AWG)	870 Series	466
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	Pre-Assembled Female Plugs 0.08 ... 4 mm ² (28 ... 12 AWG)	769 Series	492
	Strain Relief Housings	769 Series	494

COM-bining Connectors and Rail-Mount Terminal Blocks X-COM®-SYSTEM

The X-COM-SYSTEM® is the perfect solution for switchgear and control applications.

X-COM® is designed for a **rated current up to 16/32 A at U_N 500 V and 4 mm² (12 AWG) rated cross section (up to 600 V, 10 A, and 12 AWG UL)**. This offers an alternative to heavy-duty rectangular and circular connectors used in power wiring applications where electrical compliance is more important than a high degree of protection.

X-COM® conveniently enables the use of pre-assembled connector systems and offers the following advantages:

- During manufacturing: Pre-wired subassemblies can be tested before installation.
- During assembly: Pre-assembled pluggable cable harnesses help solve time and space issues on site. Connector systems with protection against mismatching can be handled by installers of all skill levels.
- During maintenance: Subassemblies can be replaced quickly and without errors.

The X-COM®-SYSTEM consists of rail-mount carrier terminal blocks, male connectors and female plugs with different mounting systems, as well as male headers with solder pins. Pin spacing is generally 5 mm (0.197 inch).

Protection Against Mismatching and Accidental Contact

The WAGO-X-COM®-SYSTEM is **fully protected against accidental contact** – even when plugs are disconnected. This dramatically simplifies the planning of power distribution.

Furthermore, the whole system is **100% protected against mismatching**. Its coding, without the loss of any poles, prevents mismatching of male connectors and female plugs having the same number of poles.

Carrier Terminal Blocks

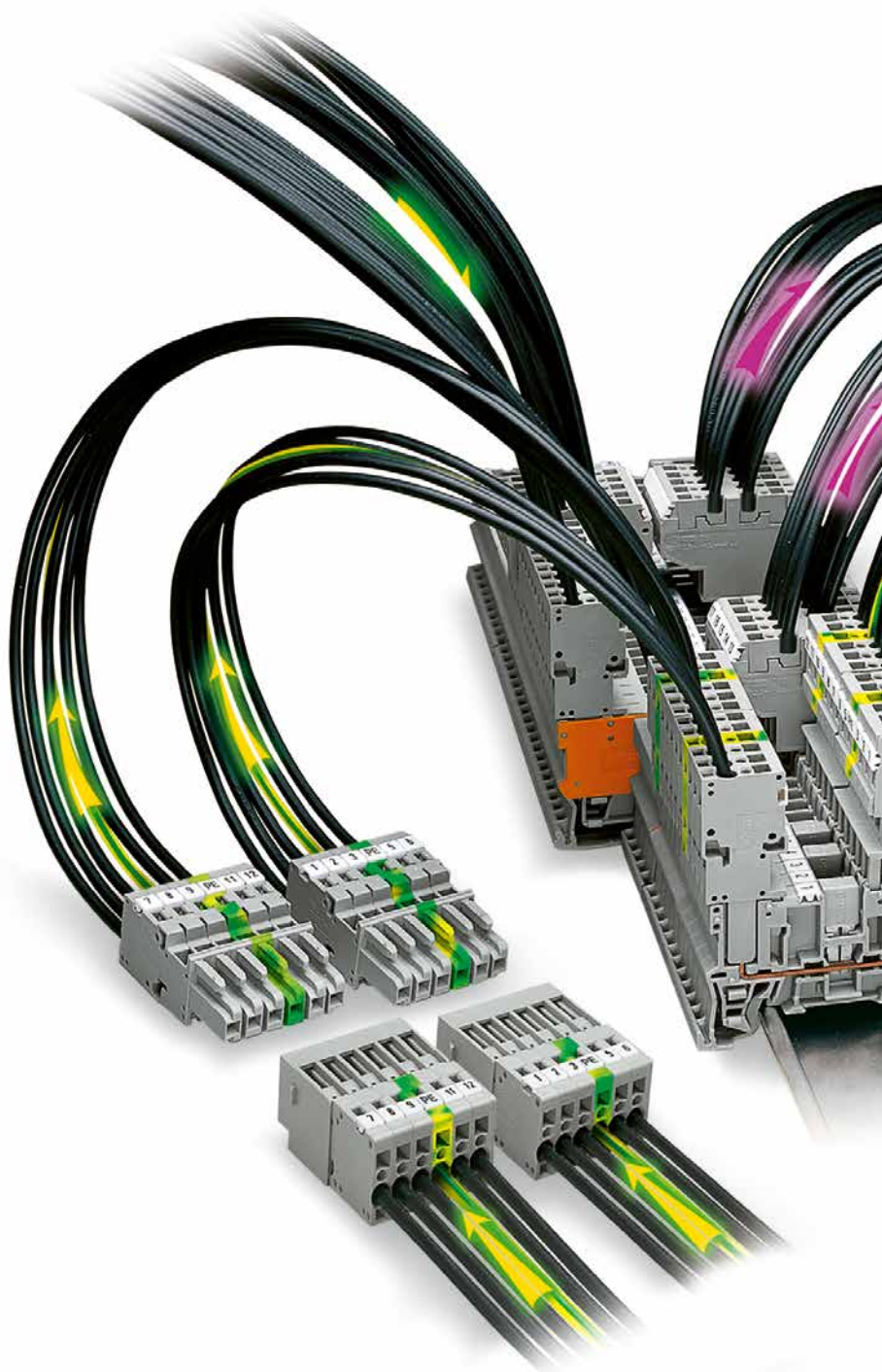
Carrier terminal blocks are available as through terminal blocks, double-deck terminal blocks and ground conductor terminal blocks with automatic contact to the DIN-rail. Carrier terminal blocks with specialty functions are available in disconnect, diode and LED versions. Carrier terminal blocks equipped with an additional socket can accommodate a wide range of pluggable electronic modules (e.g., relays, optocouplers, signal conditioners).

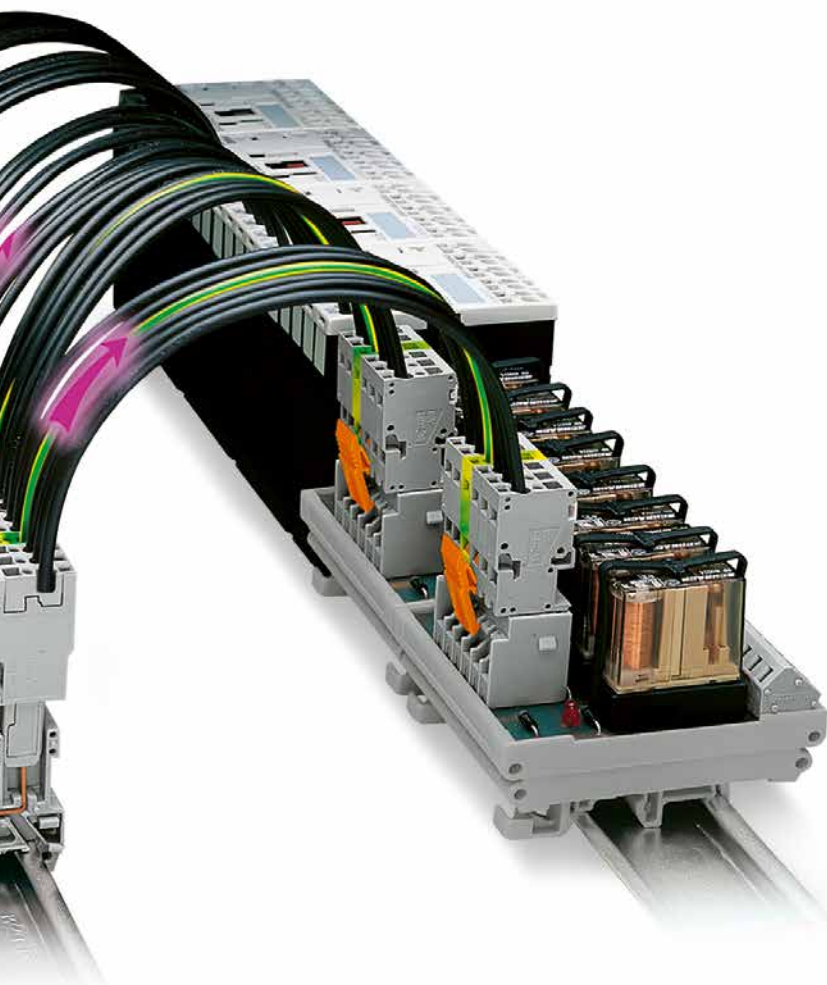
Depending on the type of terminal block, the carrier terminal blocks are equipped with one to three jumper positions for commoning signals via insulated push-in type jumpers.

Applications

X-COM®-SYSTEM connects to:

- Frequency converters
- Thyristor actuators
- Soft start motor controllers
- Motors
- Phase filters
- Power subassemblies
- Power supply units
- Uninterruptible power supply (UPS)
- "Panel-to-door" wiring
- Pluggable high-current, feed-through connections
- Flying leads





Female Plugs

The mating half of the carrier terminal blocks consists of modular female plugs (1- to 15-pole, 1-/2-conductor, straight/angled). Angled female plugs combined with double-deck terminal blocks offer high-density wiring and reduce overall terminal block height. A jumper slot simplifies potential distribution.

This makes commoning supply lines particularly easy as the power supply of downstream subassemblies is maintained even after female plugs have been removed.

1-Pole Female Plugs

Special 1-pole female plugs can carry the full rated current of the terminal blocks for many applications:

- as test plug adapters
- as connectors for motor lead tests
- for all types of patchboard applications
- for the creation of multipole prototypes
- for phase selection of 230 V loads in a three-phase network without interfering with the wiring
- for single-pole power supply in commercial or recreational vehicles. The grounding of all electrical components is connected through the chassis.

Male Connectors

Male connectors are available with snap-in mounting feet for panel mounting, with mounting flanges for feedthrough applications or without mounting elements for flying leads. Strain relief plates are available as accessories.

Subassemblies on printed circuit boards can be integrated into the system wiring using male headers with solder pins. As a result, parts can be exchanged quickly without wiring errors.

Degree of Protection

Mated: IP20

Unmated: IP20

Temperature range:

-35 ... +100 °C

Carrier Terminal Blocks and Female Plugs X-COM®-SYSTEM

769 Series

Description and Installation



Snap individual carrier terminal blocks onto the DIN-rail and slide together.



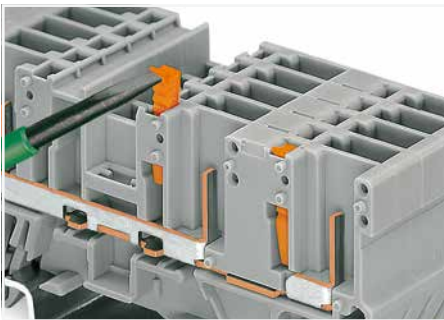
Open the assembly by laterally sliding a block via operating tool and remove terminal block via release lever.



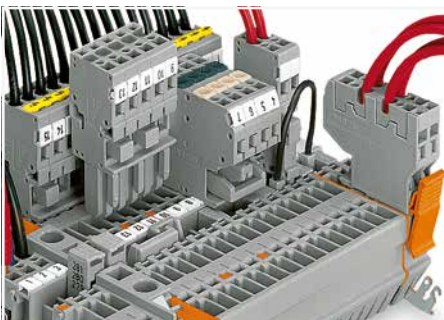
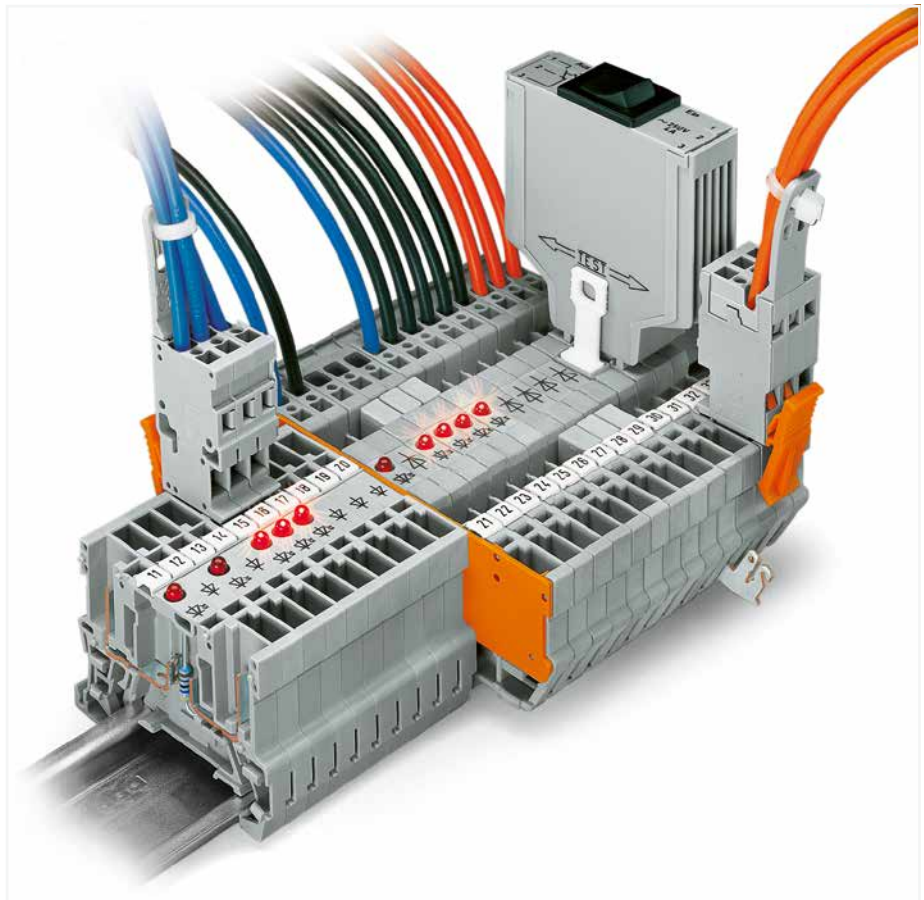
Carrier terminal block: Insert/remove conductor via operating tool (3.5 x 0.5 mm blade).



Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.



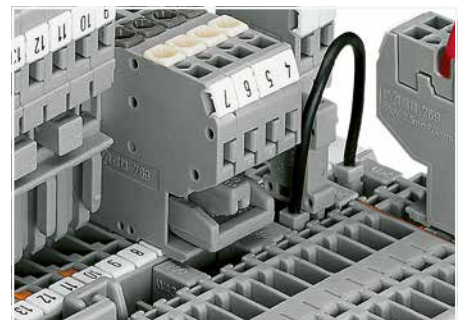
Snap coding pin in proper direction on carrier terminal block.
Shown: Coding pin removal from carrier terminal block.



Commoning with adjacent or staggered jumpers – push jumpers down until fully inserted.



Commoning carrier terminal blocks via staggered jumpers.



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.



CAGE CLAMP® terminates the following copper conductors:
solid "s"

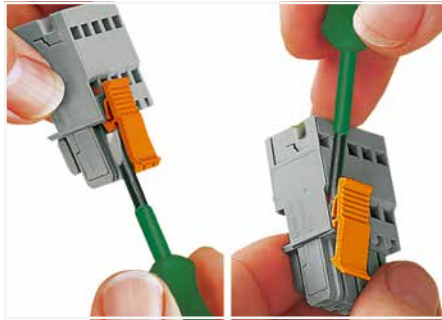
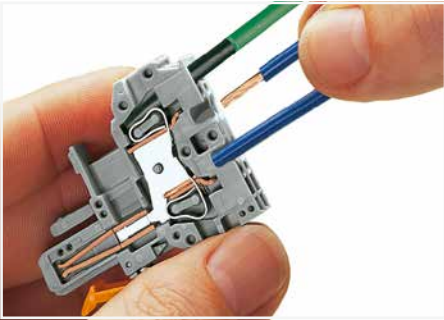


stranded "st"



fine-stranded "f-st",
also with tinned
single strands

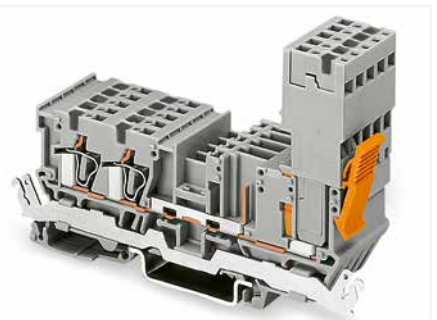
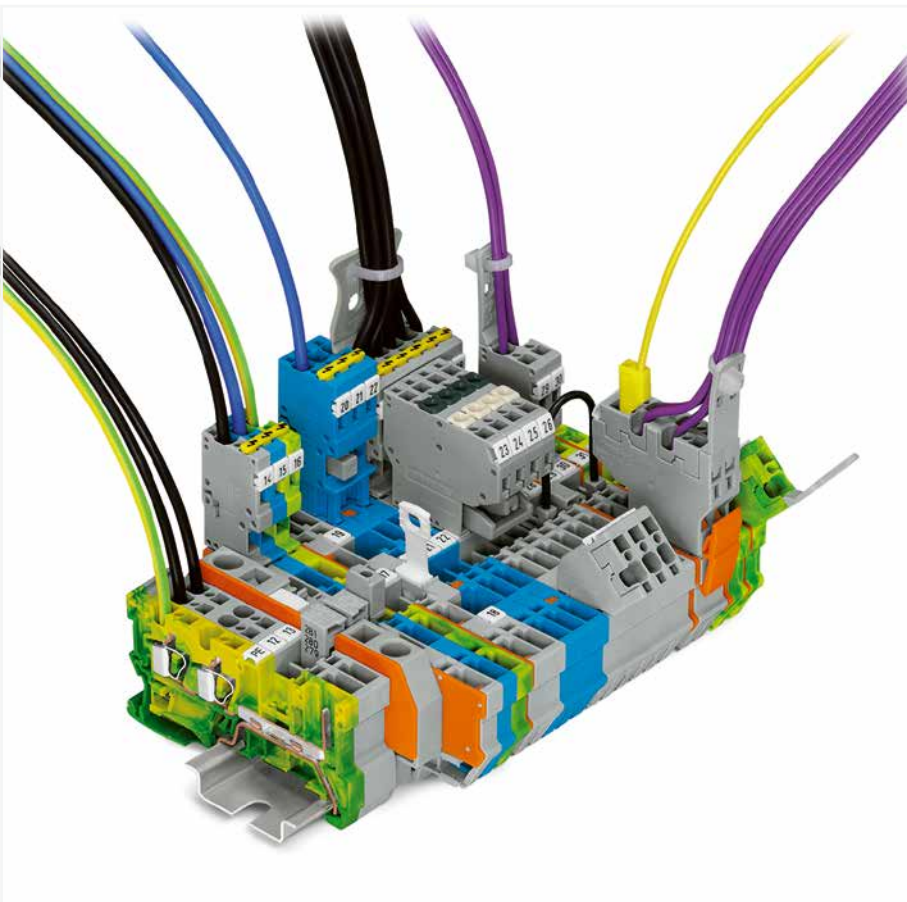
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross section.

**CAGE CLAMP® connection**

Female plug: Inserting/removing a conductor via operating tool.
Operation 90° to conductor is also possible.

With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross section.

Locking/releasing a lever.

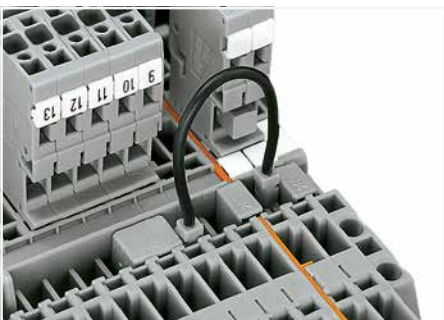


Female plug secured with locking lever on the terminal block side.

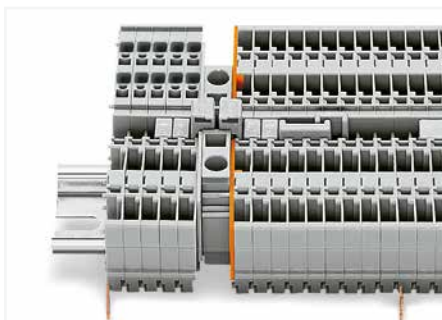


Removing a female plug via conductor bundle provided with strain relief plate.

Note: Female plugs used according to the regulations must not be connected/disconnected when live or under load.



Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.



Commoning "supply terminal blocks" (up to 10 mm²/8 AWG) with carrier terminal blocks via step-down jumpers.



Commoning a 1-conductor female plug via miniature adjacent jumpers.



fine-stranded,
tip-bonded



fine-stranded,
with ferrule
(gastight crimped)



fine-stranded,
with pin terminal
(gastight crimped)

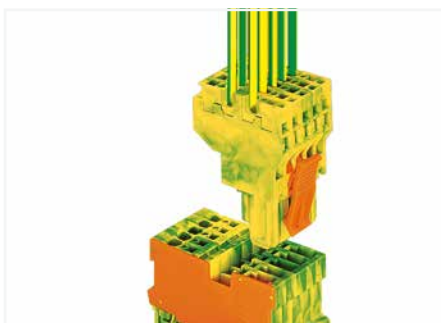
Carrier Terminal Blocks, Female Plugs and Male Connectors X-COM®-SYSTEM

769 Series

Product Range Overview



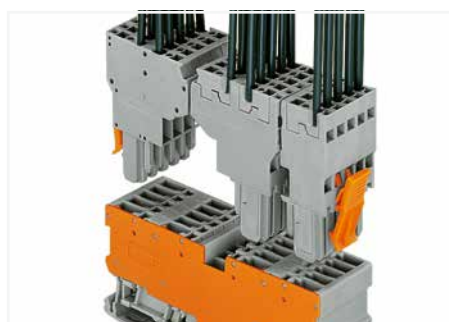
1-conductor/1-pin carrier terminal block
1-connector female plug; straight*
*1-conductor angled female plug is also possible!



1-conductor/1-pin ground carrier terminal block
2-conductor female plug; green-yellow



2-pin carrier terminal block; with shield contact
2-conductor female plug
1-connector female plug; straight*
*1-conductor angled female plug is also possible!



4-pin carrier terminal block
2-conductor female plug
1-connector female plug; straight



4-pin ground carrier terminal block
1-connector female plug; straight
2-conductor female plug



2-conductor/2-pin carrier terminal block; with shield contact
2-conductor female plug
1-connector female plug; straight



1-conductor/1-pin disconnect carrier terminal block
1-connector female plug; straight*
*1-conductor angled female plug is also possible!



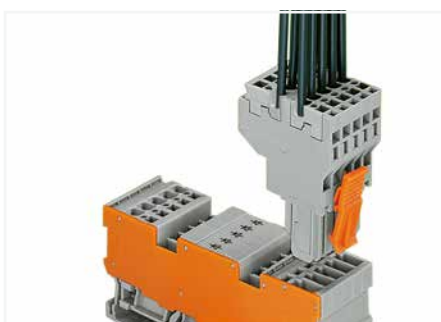
2-pin diode carrier block
1-connector female plug; straight*
*1-conductor angled female plug is also possible!



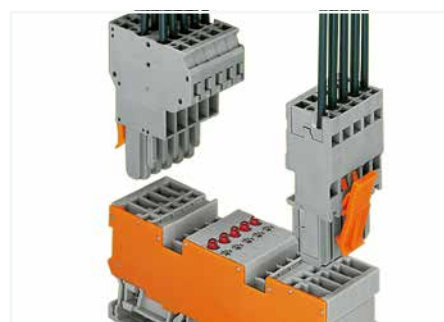
2-pin LED carrier block
1-connector female plug; straight*
*1-conductor angled female plug is also possible!



2-pin disconnect carrier terminal block; with two jumper positions
1-connector female plug; straight*
*1-conductor angled female plug is also possible!



1-conductor/1-pin diode carrier terminal block; with two jumper positions
2-conductor female plug



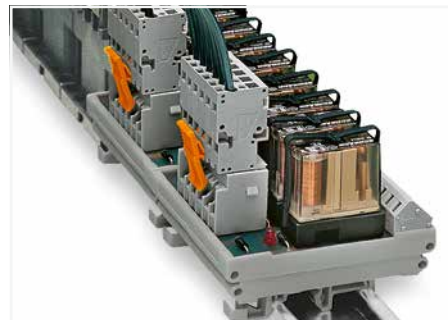
2-pin LED carrier terminal block; with two jumper positions
2-conductor female plug
1-connector female plug; straight



1-conductor/1-pin carrier terminal block; with three jumper positions
1-conductor female plug; straight*
*1-conductor angled female plug is also possible!



Male connector; with CAGE CLAMP® connection
1-conductor female plug; straight



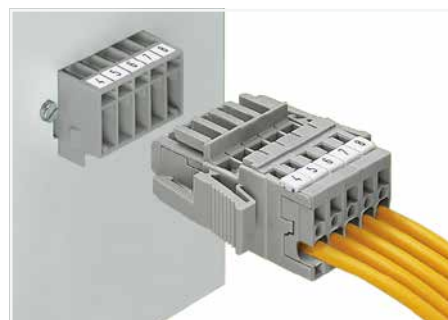
Male header; with straight solder pins and 1-conductor female plug (picture shows a relay module)



1-conductor/1-pin carrier terminal block; with two jumper positions
1-conductor female plug; straight*
Fuse plug; 6 mm wide (every other terminal block)
*1-conductor angled female plug is also possible!



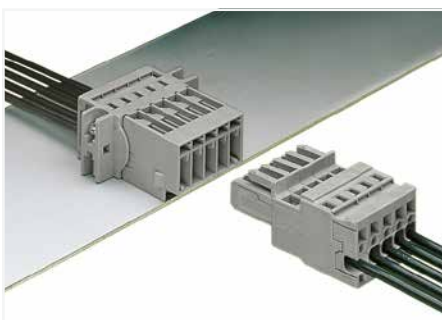
Male connector; with CAGE CLAMP® connection and snap-in mounting feet
1-conductor female plug; straight



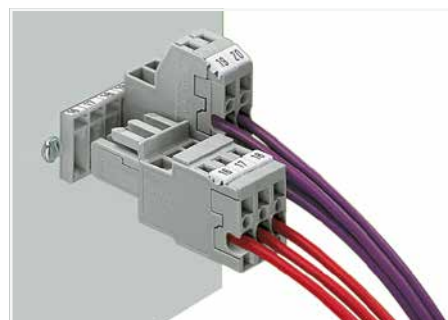
Male header and 1-conductor female plug; with lateral locking levers



2-pin terminal block for pluggable modules; with two jumper positions and separator plate
1-conductor female plug; straight*
Relay plug; 25 mm wide
*1-conductor angled female plug is also possible!



Male connector; with CAGE CLAMP® and mounting flanges
1-conductor female plug; straight



Male header; with feedthrough flanges
1-conductor female plug
2-conductor female plug



1-conductor/1-pin double-deck carrier terminal block
1-conductor female plug; angled*
*1-conductor straight female plug is also possible!



Cable entry into the control cabinet:
The cables are led into the control cabinet with the connected female plugs and are directly plugged onto the carrier terminal blocks.



Cable entry in the base of the control cabinet
Separate strain relief, movable IP54 bottom plates sealed with sponge rubber (e.g., by Rittal)

1-Conductor/1-Pin Carrier Terminal Block X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
500 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 32 A ②	300 V, 20 A ②

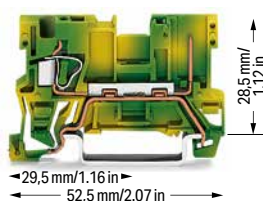
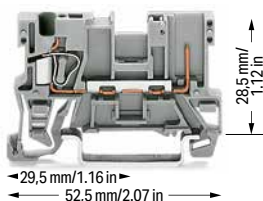
Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
----------------------------	---------------

Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch


1-conductor/1-pin carrier terminal block

Color	Item No.	Pack. Unit
gray	769-176	100
blue	769-176/000-006	100
orange	769-176/000-012	100

1-conductor/1-pin carrier terminal block; with shield contact

gray	769-231 ①	50
------	-----------	----

Accessories; item-specific

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

yellow	280-415	100 (25)
--------	---------	----------

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

orange	769-308	100 (25)
gray	769-307	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

1-conductor/1-pin ground carrier terminal block

Color	Item No.	Pack. Unit
green-yellow	769-237	100

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

Spacer module; snaps together; 5 mm wide

gray	280-419	100 (25)
------	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
-----	---------	----

- 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
250 V / 4 kV / 3 = Nominal voltage with shield contact (see Section 15)

- See current-carrying capacity curve on page 454 and upon request

Please observe the application notes:
Insulation stop, page 425
Jumpers, from page 426
Testing accessories, from page 421
Mini-WSB marking system, page 684

Approvals and corresponding ratings,
visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Test plug adapter; 5 mm wide; for 1.5 ... 4 mm² terminal blocks

gray	280-404	100 (25)
------	---------	----------

Pin cover; with Mini-WSB marker slot

gray	769-438	100 (25)
orange	769-439	100 (25)

1-connector female plug; straight

gray	769-101	200
------	---------	-----

1-conductor female plug; angled

gray	769-101/022-000	200
------	-----------------	-----

2-conductor female plug

gray	769-121	100
------	---------	-----

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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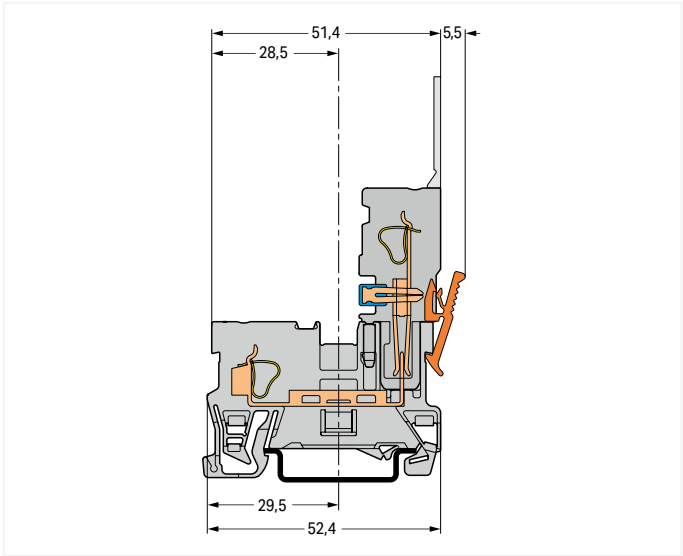
Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
-------	---------	---

1-Conductor/1-Pin Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®-SYSTEM Assembly Types



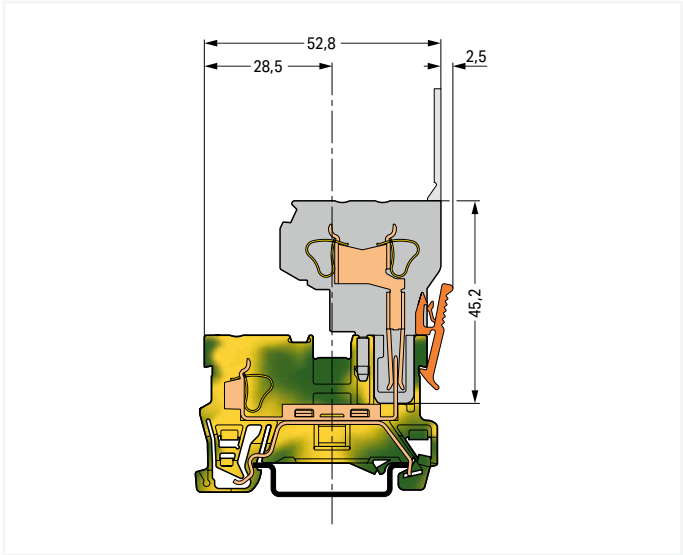
1-conductor female plug
Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



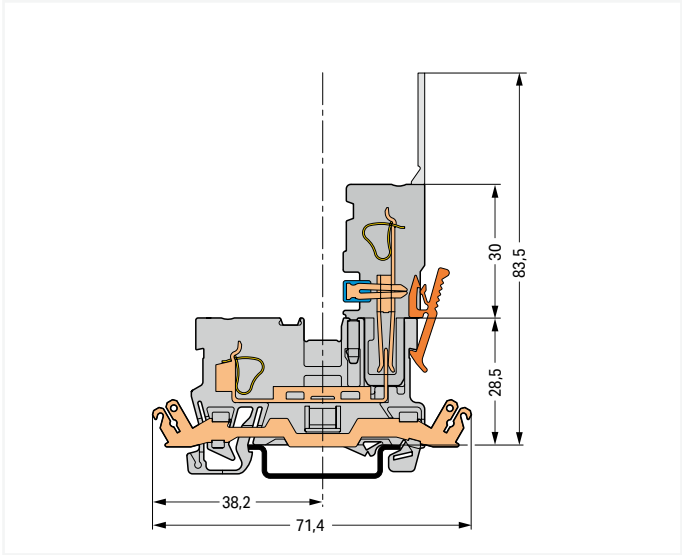
Carrier terminal block



2-conductor female plug
Carrier terminal blocks can only be commoned via 280 Series Adjacent and Alternate Jumpers.



Ground carrier terminal block



Carrier terminal block; with shield contact

7

2-Pin Carrier Terminal Block X-COM®-SYSTEM

769 Series

Technical Data

500 V / 6 kV / 3 ①

300 V, 20 A ②

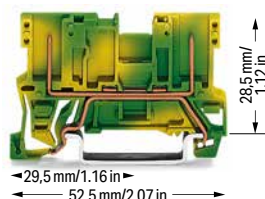
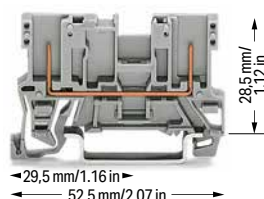
 I_N 32 A ②

300 V, 20 A ②

Terminal block width: 5 mm / 0.197 inch

Technical Data

Terminal block width: 5 mm / 0.197 inch



2-Pin Carrier Terminal Block

Color	Item No.	Pack. Unit
gray	769-156	100
blue	769-156/000-006	100

2-pin ground carrier terminal block

Color	Item No.	Pack. Unit
green-yellow	769-227	100

2-pin carrier terminal block; with shield contact

gray	769-221 ①	50
------	-----------	----

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

orange	769-306	100 (25)
gray	769-305	100 (25)

Test plug adapter; 5 mm wide; for 1.5 ... 4 mm² terminal blocks

gray	280-404	100 (25)
------	---------	----------

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Pin cover; with Mini-WSB marker slot

gray	769-438	100 (25)
orange	769-439	100 (25)

Adjacent jumper; insulated; $I_N = I_N$ terminal block

gray	280-402	200 (25)
------	---------	----------

1-conductor female plug; straight

gray	769-101	200
------	---------	-----

Alternate jumper; insulated; $I_N = I_N$ terminal block

gray	280-409	100 (25)
------	---------	----------

1-conductor female plug; angled

gray	769-101/022-000	200
------	-----------------	-----

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

2-conductor female plug

gray	769-121	100
------	---------	-----

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
-------	----------	---

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
-------	---------	---

Spacer module; snaps together; 5 mm wide

gray	280-419	100 (25)
------	---------	----------

- ① 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
250 V / 4 kV / 3 = Nominal voltage with shield contact (see Section 15)

- ② See current-carrying capacity curve and upon request

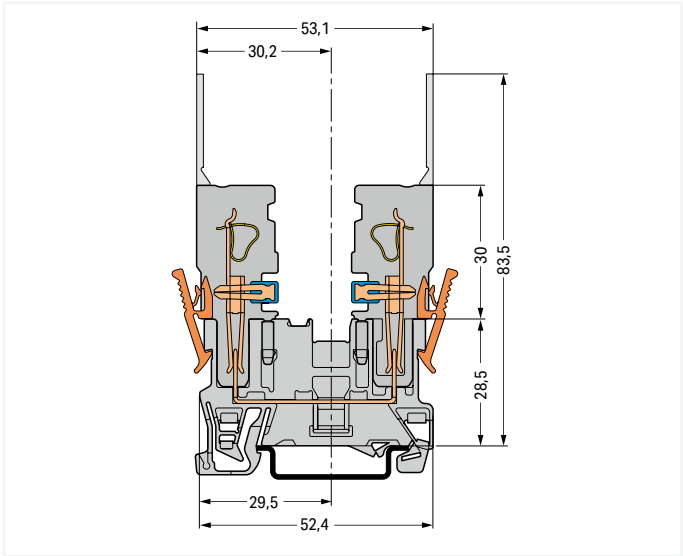
Please observe the application notes:
Jumpers, from page 426
Testing accessories, from page 421
Mini-WSB marking system, page 684

Approvals and corresponding ratings,
visit www.wago.com

2-Pin Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®-SYSTEM Assembly Types



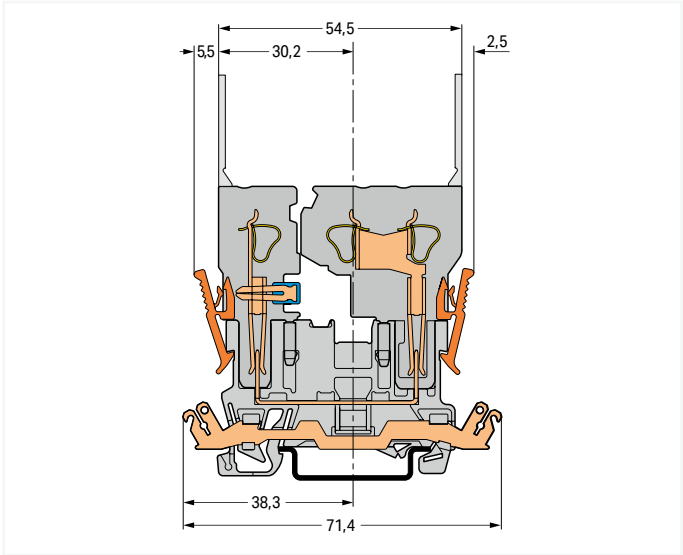
1-Conductor Female Plugs
Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



Carrier terminal block



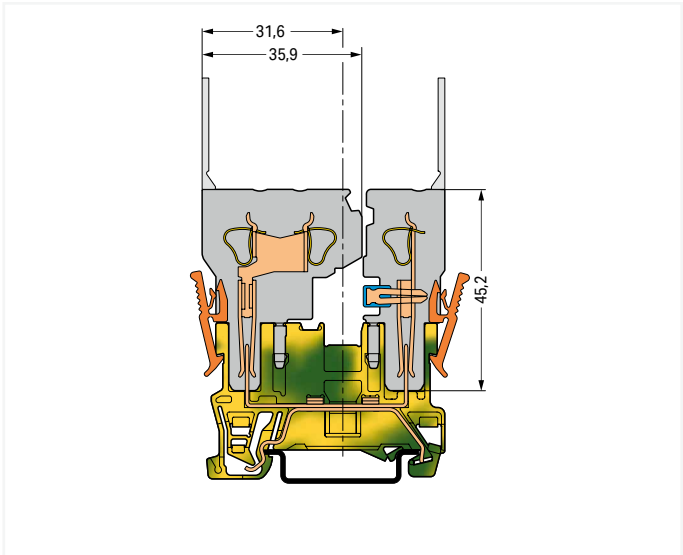
1- and 2-Conductor Female Plug
Carrier terminal blocks can only be commoned via 280 Series Adjacent and Alternate Jumpers.



Carrier terminal block; with shield contact



2- and 1-Conductor Female Plug
Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers.



Ground carrier terminal block

2-Conductor/2-Pin Carrier Terminal Block X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
500 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 32 A ②	300 V, 20 A ②

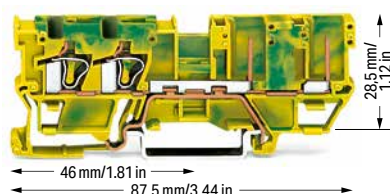
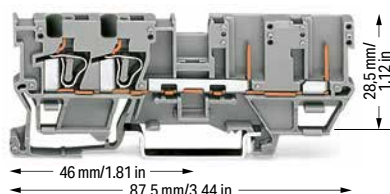
Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
----------------------------	---------------

Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch


2-conductor/2-pin carrier terminal block

Color	Item No.	Pack. Unit
gray	769-171	50
blue	769-171/000-006	50

2-conductor/2-pin carrier terminal block; with shield contact

gray	769-211 ①	50
------	-----------	----

Accessories; item-specific

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

yellow	280-415	100 (25)
--------	---------	----------

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

orange	769-304	100 (25)
gray	769-303	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

2-conductor/2-pin ground carrier terminal block

Color	Item No.	Pack. Unit
green-yellow	769-217	50

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

Spacer module; snaps together; 5 mm wide

gray	280-419	100 (25)
------	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
-----	---------	----

- ① 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
250 V / 4 kV / 3 = Nominal voltage with shield contact (see Section 15)

- ② See current-carrying capacity curve on page 455 and upon request

Note: 1-conductor angled female plugs cannot be used.

Please observe the application notes:

Insulation stop, page 425
Jumpers, from page 426
Testing accessories, from page 420
Mini-WSB marking system, page 684

Approvals and corresponding ratings, visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Test plug adapter; 5 mm wide; for 1.5 ... 4 mm² terminal blocks

gray	280-404	100 (25)
------	---------	----------

Pin cover; with Mini-WSB marker slot

gray	769-438	100 (25)
orange	769-439	100 (25)

1-connector female plug; straight

gray	769-101	200
------	---------	-----

2-conductor female plug

gray	769-121	100
------	---------	-----

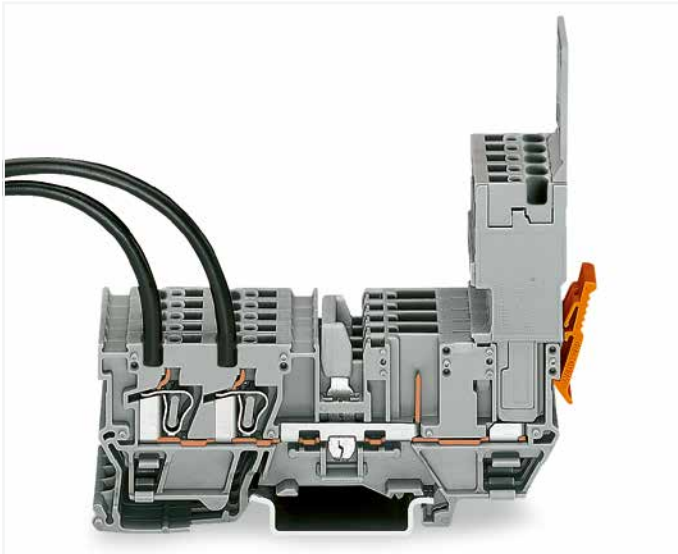
Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
-------	----------	---

Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

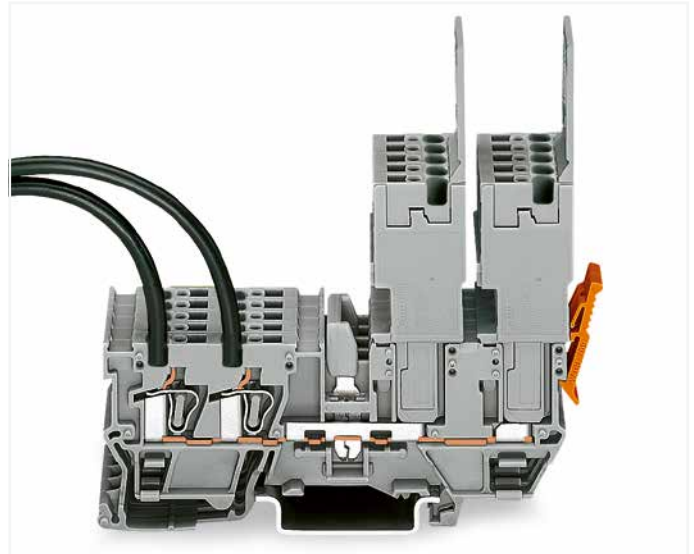
plain	248-501	5
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2-Conductor/2-Pin Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®-SYSTEM Assembly Types



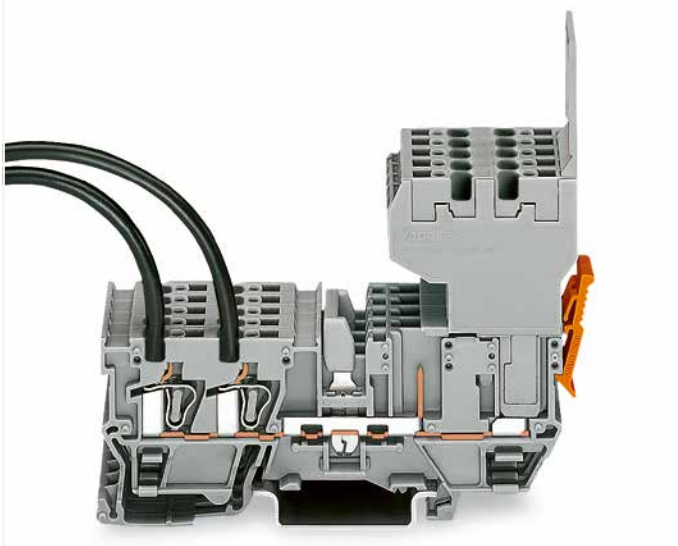
1-conductor female plug

Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



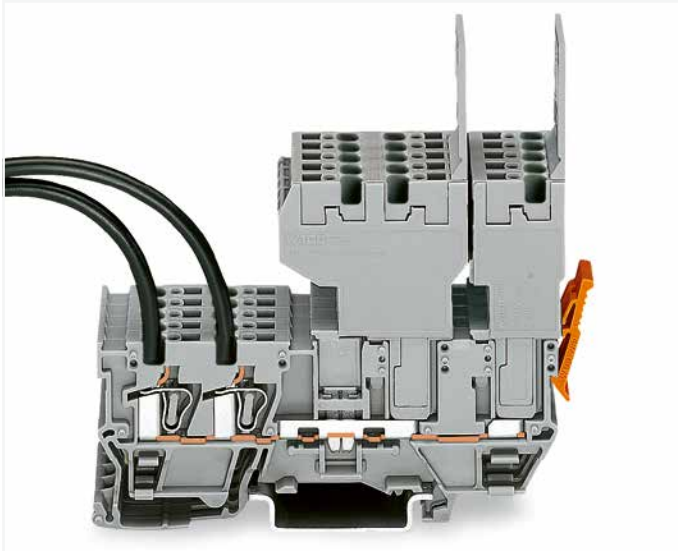
2 x 1-conductor female plugs

Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



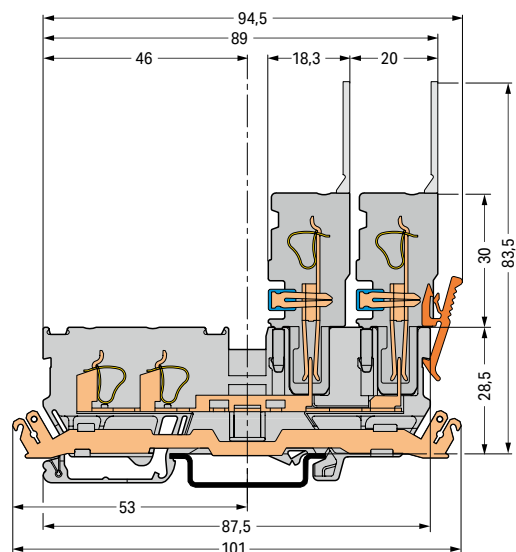
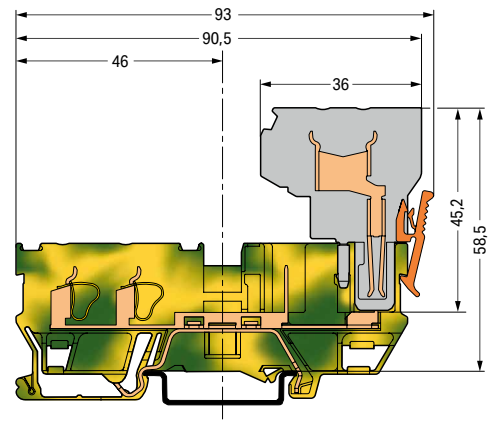
2-conductor female plug

Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



1- and 2-Conductor Female Plug

Carrier terminal blocks can only be commoned via 280 Series Adjacent and Alternate Jumpers.



Ground carrier terminal block

Carrier terminal block; with shield contact

4-Pin Carrier Terminal Block X-COM®-SYSTEM 769 Series

Technical Data

500 V / 6 kV / 3 ①

300 V, 20 A ②

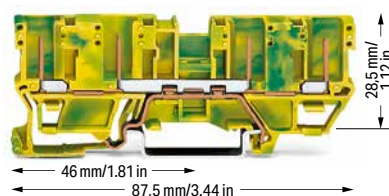
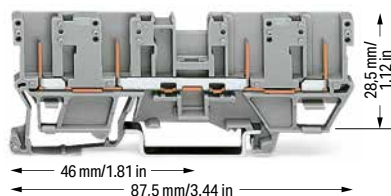
 I_N 32 A ②

300 V, 20 A ②

Terminal block width: 5 mm / 0.197 inch

Technical Data

Terminal block width: 5 mm / 0.197 inch



4-pin carrier terminal block

Color	Item No.	Pack. Unit
gray	769-151	50

4-pin ground carrier terminal block

Color	Item No.	Pack. Unit
green-yellow	769-207	50

4-pin carrier terminal block; with shield contact

gray	769-201 ①	50
------	-----------	----

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

orange	769-302	100 (25)
gray	769-301	100 (25)

Coding pin; for coding female plugs

orange	769-435	100 (25)
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Adjacent jumper; insulated; $I_N = I_N$ terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; $I_N = I_N$ terminal block

gray	280-409	100 (25)
------	---------	----------

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

Spacer module; snaps together; 5 mm wide

gray	280-419	100 (25)
------	---------	----------

Test plug adapter; 5 mm wide; for 1.5 ... 4 mm² terminal blocks

gray	280-404	100 (25)
------	---------	----------

Pin cover; with Mini-WSB marker slot

gray	769-438	100 (25)
orange	769-439	100 (25)

1-conductor female plug; straight

gray	769-101	200
------	---------	-----

2-conductor female plug

gray	769-121	100
------	---------	-----

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
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① 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
250 V / 4 kV / 3 = Nominal voltage with shield contact (see Section 15)

② See current-carrying capacity curve on page 455 and upon request

Note: 1-conductor angled female plugs cannot be used.

Please observe the application notes:
Jumpers, from page 426
Testing accessories, from page 421
Mini-WSB marking system, page 684

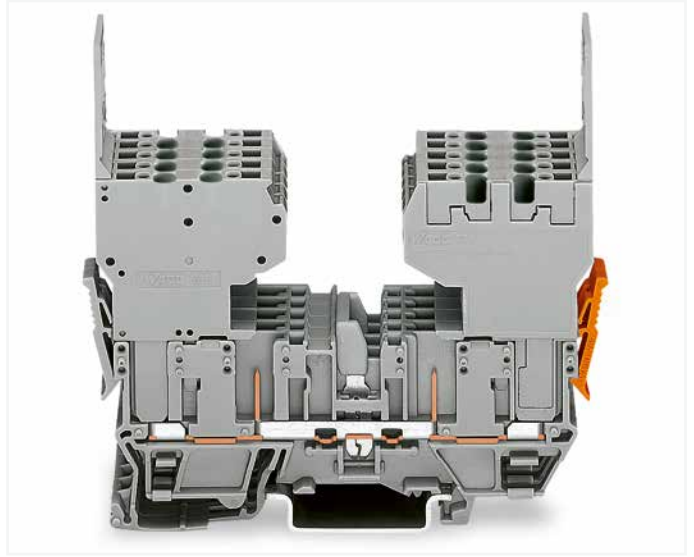
Approvals and corresponding ratings, visit www.wago.com

4-Pin Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®-SYSTEM Assembly Types



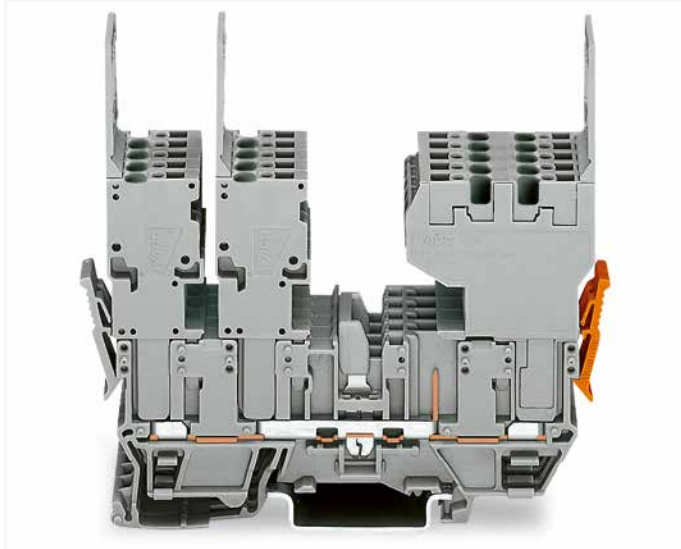
4 x 1-conductor female plugs

Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



2 x 2-conductor female plugs

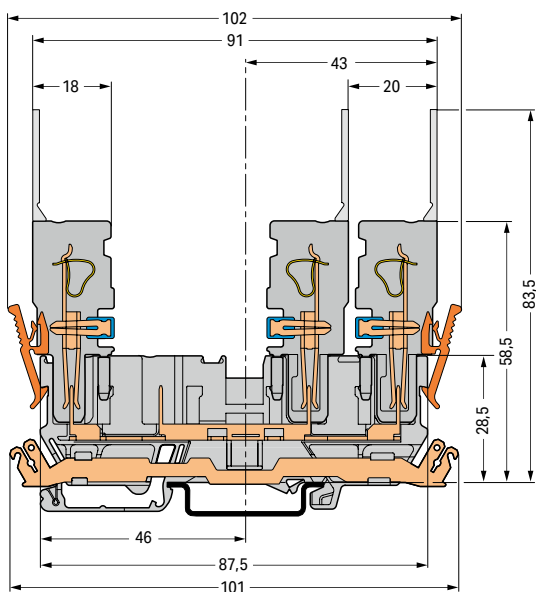
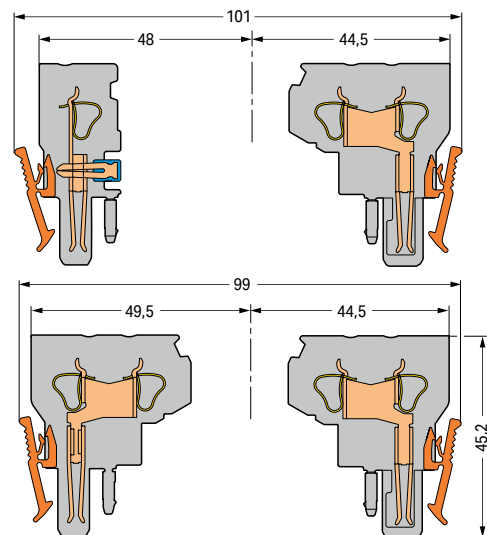
Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



2 x 1-conductor female plug (left), 1 x 2-conductor female plug (right), may be reversed – carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



1-conductor and 2-conductor female plugs (left), 2-conductor female plug (right), may be reversed – carrier terminal blocks can only be commoned via 280 Series Adjacent and Alternate Jumpers.



Carrier terminal block; with shield contact

2-Conductor/1-Pin Carrier Terminal Block X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
500 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 32 A ②	300 V, 20 A ②

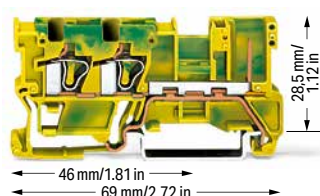
Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
----------------------------	---------------

Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch


2-Conductor/1-Pin Carrier Terminal Block

Color	Item No.	Pack. Unit
gray	769-251	50
blue	769-251/000-006	50

1-conductor/1-pin ground carrier terminal block

Color	Item No.	Pack. Unit
green-yellow	769-257	50

Accessories; item-specific

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

 yellow	280-415	100 (25)
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Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

 orange	769-321	100 (25)
gray	769-320	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

 white	769-470	200 (25)
--	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

 light gray	769-471	200 (25)
---	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

 dark gray	769-472	200 (25)
--	---------	----------

Coding pin; for coding female plugs

 orange	769-435	100 (25)
---	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

 gray	280-402	200 (25)
---	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

 gray	280-409	100 (25)
---	---------	----------

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

 L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Staggered jumper; insulated; 5 mm wide; I_N 24 A

 1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Test plug module; snaps together; 5 mm wide

 gray	280-418	100 (25)
--	---------	----------

Spacer module; snaps together; 5 mm wide

 gray	280-419	100 (25)
--	---------	----------

B-type test plug module; snaps together; 5 mm wide

 gray	249-106	100 (25)
--	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

 red	210-136	50
---	---------	----

Test plug adapter; 5 mm wide; for 1.5 ... 4 mm² terminal blocks

 gray	280-404	100 (25)
--	---------	----------

- ① 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

- ② Current-carrying capacity curves upon request

Please observe the application notes:
Insulation stop, page 425
Jumpers, from page 426
Testing accessories, from page 420
Mini-WSB marking system, page 684

Approvals and corresponding ratings,
visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Pin cover; with Mini-WSB marker slot

 gray	769-438	100 (25)
orange	769-439	100 (25)

1-connector female plug; straight

 gray	769-101	200
--	---------	-----

1-conductor female plug; angled

 gray	769-101/022-000	200
--	-----------------	-----

2-conductor female plug

 gray	769-121	100
--	---------	-----

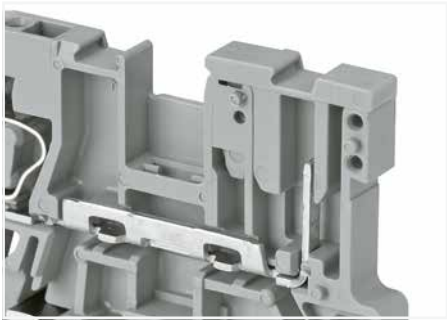
Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

 white	2009-145	1
---	----------	---

Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

 plain	248-501	5
---	---------	---

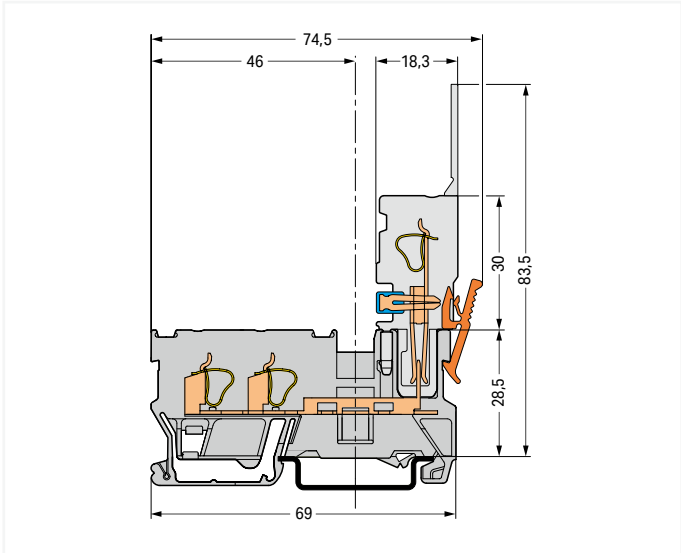
2-Conductor/1-Pin Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®-SYSTEM
Assembly Types



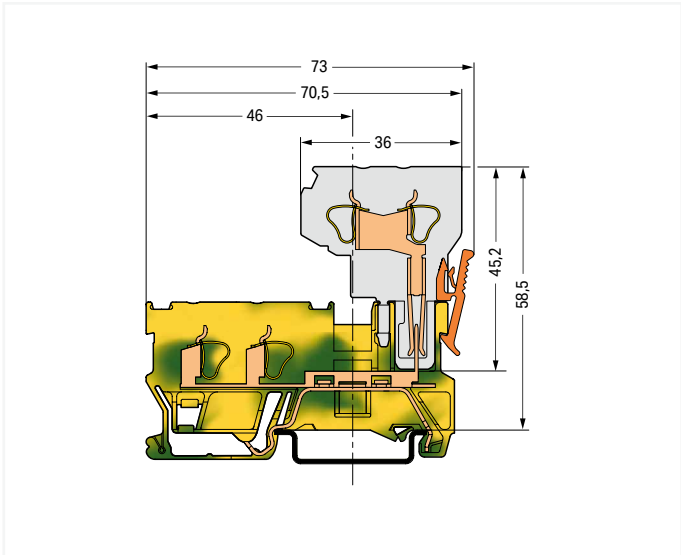
Pin cover (769-438); with Mini-WSB marker slot



1-conductor female plug
Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



Carrier terminal block



Ground carrier terminal block

1-Conductor/1-Pin Carrier Terminal Block X-COM®-SYSTEM; with Three Jumper Positions

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
500 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 32 A ②	300 V, 20 A ②
Terminal block width: 5 mm / 0.197 inch	
8 ... 9 mm / 0.31 ... 0.35 inch	

- 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)
- Current-carrying capacity curves upon request

Please observe the application notes:
Insulation stop, page 425
Mini-WSB marking system, page 684

Approvals and corresponding ratings,
visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

Pin cover; with Mini-WSB marker slot

gray	769-438	100 (25)
orange	769-439	100 (25)

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

1-conductor female plug; straight

gray	769-101	200
------	---------	-----

1-conductor female plug; angled

gray	769-101/022-000	200
------	-----------------	-----

2-conductor female plug

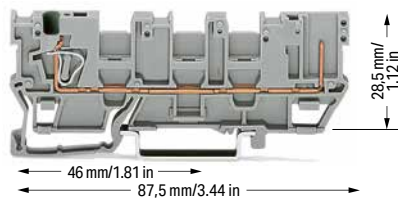
gray	769-121	100
------	---------	-----

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

plain	248-501	5
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1-conductor/1-pin carrier terminal block; with three jumper positions

Color	Item No.	Pack. Unit
gray	769-214	50

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

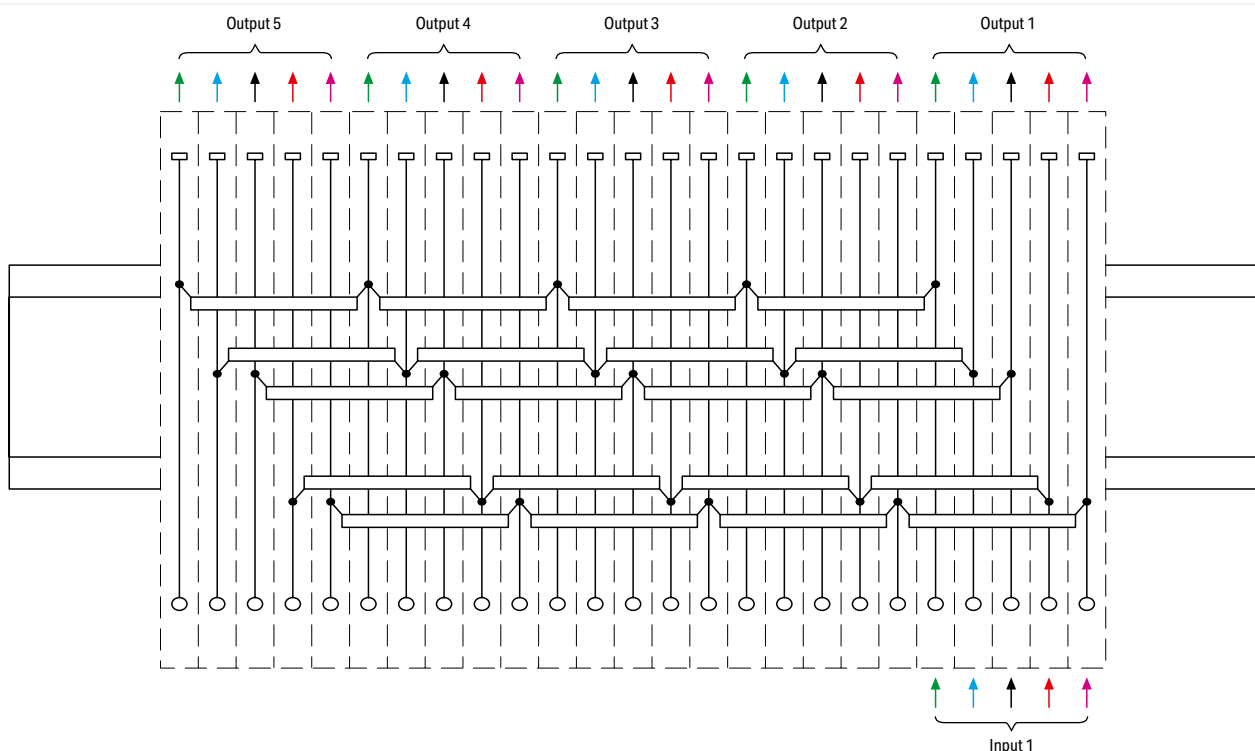
orange	769-316	100 (25)
gray	769-315	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

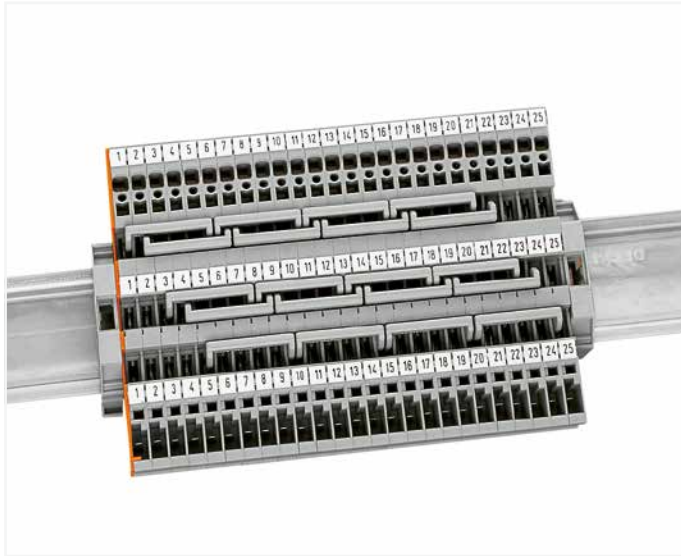
white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

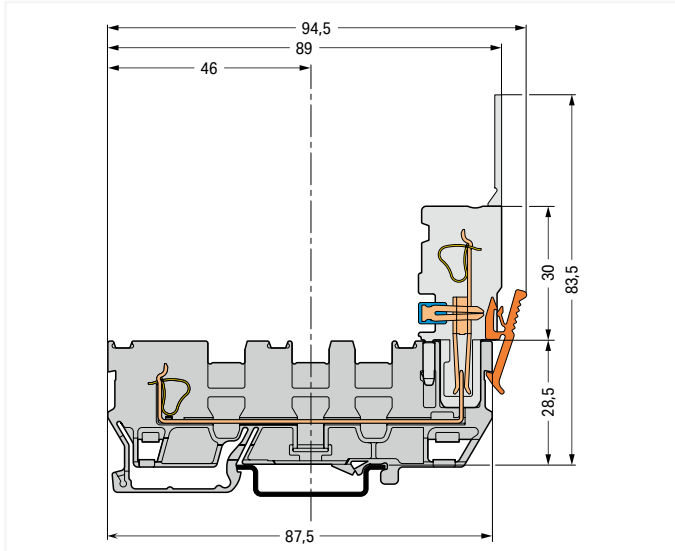
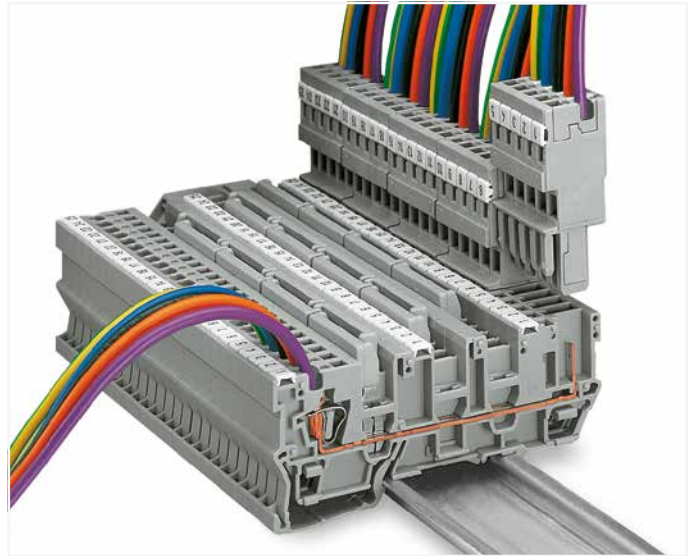
light gray	769-471	200 (25)
------------	---------	----------



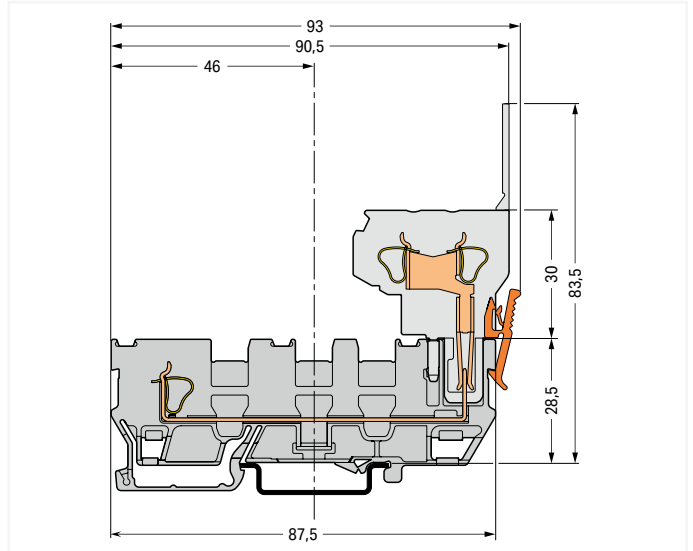
1-Conductor/1-Pin Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®-SYSTEM Assembly Types



1-conductor/1-pin carrier terminal blocks; with three jumper positions
The three jumper positions allow up to six commoning options for staggered jumpers.



Carrier terminal block



Carrier terminal block

Application examples:

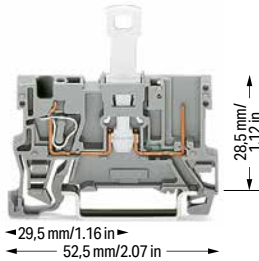
Multiplication of three-phase circuits L1-L2-L3-N-PE
with pluggable outputs (e.g., for motors, frequency converters, power units)
Voltage supplies to multiple locations
(e.g., $\pm 15\text{ V}$, 0 V , $+5\text{ V}$, $+12\text{ V}$, $+24\text{ V}$)
Various wire-to-wire interfacing possibilities

1-Conductor/1-Pin and 2-Pin Disconnect Carrier Terminal Block X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
400 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 16 A ②	300 V, 20 A ③
Terminal block width: 5 mm / 0.197 inch	
8 ... 9 mm / 0.31 ... 0.35 inch	



1-conductor/1-pin disconnect carrier terminal block

Color	Item No.	Pack. Unit
gray	769-232	50

1-conductor/1-pin disconnect carrier terminal block; with shield contact

gray	769-233 ①	50
------	-----------	----

Accessories; item-specific

End and intermediate plate; 1.1 mm thick

orange	769-308	100 (25)
gray	769-307	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
--------	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
-----	---------	----

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

Coding pin; for coding female plugs

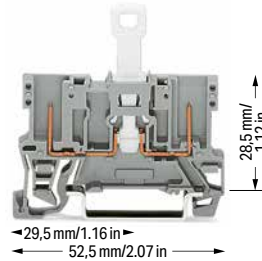
orange	769-435	100 (25)
--------	---------	----------

Disconnect lock; for disconnect tab used on disconnect terminal blocks (280/281 and 769 Series)

red	709-170	200 (25)
-----	---------	----------

Technical Data

400 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 16 A ②	300 V, 20 A ③
Terminal block width: 5 mm / 0.197 inch	



2-pin disconnect carrier terminal block

Color	Item No.	Pack. Unit
gray	769-222	50

2-pin disconnect carrier terminal block; with shield contact

gray	769-223 ①	50
------	-----------	----

Accessories; item-specific

End and intermediate plate; 1.1 mm thick

orange	769-306	100 (25)
gray	769-305	100 (25)

① 400 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
250 V / 4 kV / 3 = Nominal voltage with shield contact (see Section 15)

② 16 A, 85°C upper temperature limit, current-carrying capacity curves upon request

Note: 2-conductor female plugs cannot be used.

Please observe the application notes:
Insulation stop, page 425
Mini-WSB marking system, page 684

Approvals and corresponding ratings, visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

plain	248-501	5
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1-Conductor/1-Pin and 2-Pin Disconnect Carrier Terminal Block X-COM®-SYSTEM; with Two Jumper Positions

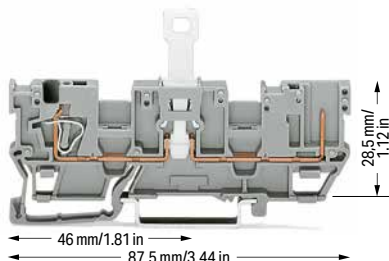
4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
400 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 16 A ②	300 V, 20 A ③

Terminal block width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch



1-conductor/1-pin disconnect carrier terminal block; with two jumper positions

Color	Item No.	Pack. Unit
gray	769-212	50

1-conductor/1-pin disconnect carrier terminal block; with shield contact; with two jumper positions

gray	769-213 ①	50
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Accessories; item-specific

End and intermediate plate; 1.1 mm thick

orange	769-312	100 (25)
gray	769-311	100 (25)

Separator; oversized; 1.1 mm thick

orange	769-314	100 (25)
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Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
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Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
--------	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
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Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

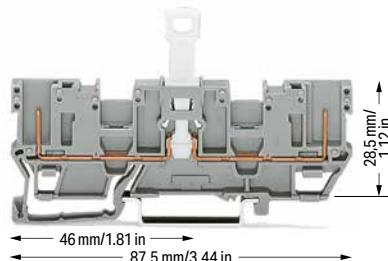
Coding pin; for coding female plugs

orange	769-435	100 (25)
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Technical Data

400 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 16 A ②	300 V, 20 A ③

Terminal block width: 5 mm / 0.197 inch



2-pin disconnect carrier terminal block; with two jumper positions

Color	Item No.	Pack. Unit
gray	769-202	50

2-pin disconnect carrier terminal block; with shield contact; with two jumper positions

gray	769-203 ①	50
------	-----------	----

Accessories; item-specific

End and intermediate plate; 1.1 mm thick

orange	769-310	100 (25)
gray	769-309	100 (25)

Separator; oversized; 1.1 mm thick

orange	769-313	100 (25)
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- ① 400 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
250 V / 4 kV / 3 = Nominal voltage with shield contact (see Section 15)

- ② 16 A, 85°C upper temperature limit, current-carrying capacity curves upon request

Please observe the application notes:
Insulation stop, page 425
Jumpers, from page 426
Testing accessories, from page 422
Mini-WSB marking system, page 684

Approvals and corresponding ratings,
visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
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Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

1-connector female plug; straight

gray	769-101	200
------	---------	-----

1-conductor female plug; angled

gray	769-101/022-000	200
------	-----------------	-----

2-conductor female plug

gray	769-121	100
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Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
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1-Conductor/1-Pin and 2-Pin Diode Carrier Terminal Block X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm² | 28 ... 12 AWGU_N 250 V; U_{RM} 1000 V

1N4007 – 0.5 A continuous current

Terminal block width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

U_N 250 V; U_{RM} 1000 V

1N4007 – 0.5 A continuous current

Terminal block width: 5 mm / 0.197 inch

Note: 2-conductor female plugs cannot be used.

Please observe the application notes:
Insulation stop, page 425
Mini-WSB marking system, page 684

Approvals and corresponding ratings,
visit www.wago.com

Accessories; 769 Series

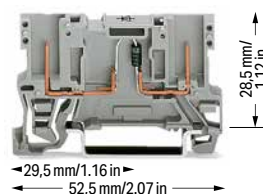
Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white 2009-145 1

Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain 248-501 5

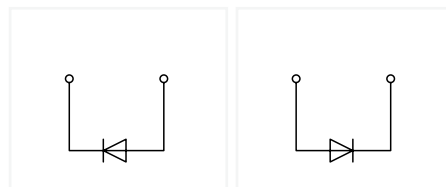
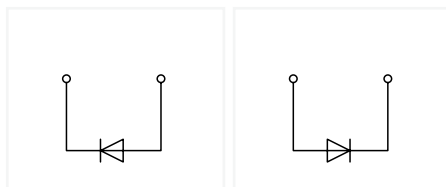


769-238/281-411

769-238/281-410

769-228/281-411

769-228/281-410



1-conductor/1-pin diode carrier terminal block

	Item No.	Pack. Unit
○ Anode, right side	769-238/281-411	100
○ Anode, left side	769-238/281-410	100

2-pin diode carrier block

	Item No.	Pack. Unit
○ Anode, right side	769-228/281-411	100
○ Anode, left side	769-228/281-410	100

Accessories; item-specific

End and intermediate plate; 1.1 mm thick

	orange	769-308	100 (25)
	gray	769-307	100 (25)

Accessories; item-specific

End and intermediate plate; 1.1 mm thick

	orange	769-306	100 (25)
	gray	769-305	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

	white	769-470	200 (25)
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Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

	light gray	769-471	200 (25)
--	------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

	dark gray	769-472	200 (25)
--	-----------	---------	----------

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

	yellow	280-415	100 (25)
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Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

	red	210-136	50
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Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

Coding pin; for coding female plugs

	orange	769-435	100 (25)
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1-connector female plug; straight

	gray	769-101	200
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1-conductor female plug; angled

	gray	769-101/022-000	200
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1-Conductor/1-Pin and 2-Din Diode Carrier Terminal Block X-COM®-SYSTEM; with Two Jumper Positions

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm² | 28 ... 12 AWGU_N 250 V; U_{RM} 1000 V

1N4007 – 0.5 A continuous current

Terminal block width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

U_N 250 V; U_{RM} 1000 V

1N4007 – 0.5 A continuous current

Terminal block width: 5 mm / 0.197 inch

Please observe the application notes:

Insulation stop, page 425

Jumpers, from page 426

Testing accessories, from page 422

Mini-WSB marking system, page 684

Approvals and corresponding ratings, visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

Spacer module; snaps together; 5 mm wide

gray	280-419	100 (25)
------	---------	----------

1-connector female plug; straight

gray	769-101	200
------	---------	-----

1-conductor female plug; angled

gray	769-101/022-000	200
------	-----------------	-----

2-conductor female plug

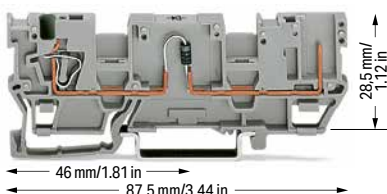
gray	769-121	100
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Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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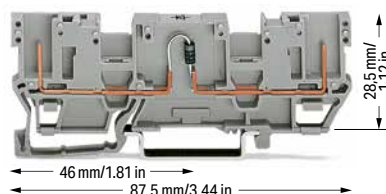
Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

plain	248-501	5
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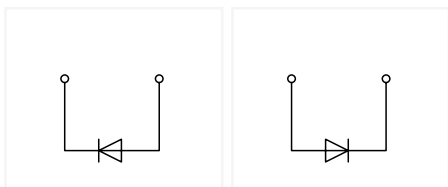
769-218/281-411

769-218/281-410



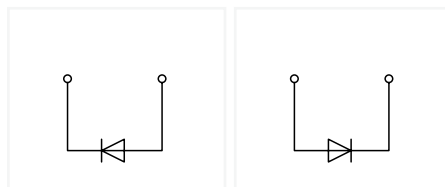
769-208/281-411

769-208/281-410



1-conductor/1-pin diode carrier terminal block; with two jumper positions

	Item No.	Pack. Unit
○ Anode, right side	769-218/281-411	50
○ Anode, left side	769-218/281-410	50



2-pin diode carrier terminal block; with two jumper positions

	Item No.	Pack. Unit
○ Anode, right side	769-208/281-411	50
○ Anode, left side	769-208/281-410	50

Accessories; item-specific

End and intermediate plate; 1.1 mm thick

orange	769-312	100 (25)
gray	769-311	100 (25)

Separator; oversized; 1.1 mm thick

orange	769-314	100 (25)
--------	---------	----------

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
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Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
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Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
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1-Conductor/1-Pin and 2-Pin LED Carrier Terminal Block X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm² | 28 ... 12 AWG

24 VDC

I_F 0.025 A max.

Terminal block width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

24 VDC

I_F 0.025 A max.

Terminal block width: 5 mm / 0.197 inch

Note: 2-conductor female plugs cannot be used.

Please observe the application notes:

Insulation stop, page 425

Mini-WSB marking system, page 684

Approvals and corresponding ratings, visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:

Mini-WSB/Mini-WSB Inline

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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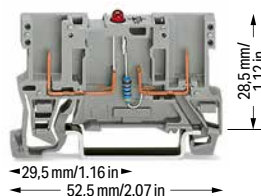
Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
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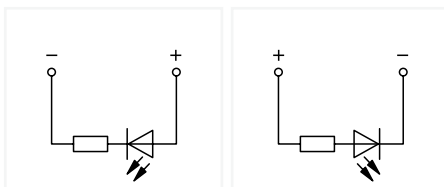
769-239/281-413

769-239/281-434



769-229/281-413

769-229/281-434



1-cond./1-pin LED carrier block

	Item No.	Pack. Unit
○ Anode, right side	769-239/281-413	100
○ Anode, left side	769-239/281-434	100

2-pin LED carrier block

	Item No.	Pack. Unit
○ Anode, right side	769-229/281-413	100
○ Anode, left side	769-229/281-434	100

Accessories; item-specific

End and intermediate plate; 1.1 mm thick

	orange	769-308	100 (25)
	gray	769-307	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

	white	769-470	200 (25)
--	-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

	light gray	769-471	200 (25)
--	------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

	dark gray	769-472	200 (25)
--	-----------	---------	----------

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

	yellow	280-415	100 (25)
--	--------	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

	red	210-136	50
--	-----	---------	----

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

Coding pin; for coding female plugs

	orange	769-435	100 (25)
--	--------	---------	----------

1-connector female plug; straight

	gray	769-101	200
--	------	---------	-----

1-conductor female plug; angled

	gray	769-101/022-000	200
--	------	-----------------	-----

1-Conductor/1-Pin and 2-Pin LED Carrier Terminal Block X-COM®-SYSTEM; with Two Jumper Positions

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm² | 28 ... 12 AWG

24 VDC

I_F 0.025 A max.

Terminal block width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

24 VDC

I_F 0.025 A max.

Terminal block width: 5 mm / 0.197 inch

Please observe the application notes:

Insulation stop, page 425

Jumpers, from page 426

Testing accessories, from page 422

Mini-WSB marking system, page 684

Approvals and corresponding ratings, visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

Spacer module; snaps together; 5 mm wide

gray	280-419	100 (25)
------	---------	----------

1-connector female plug; straight

gray	769-101	200
------	---------	-----

1-conductor female plug; angled

gray	769-101/022-000	200
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2-conductor female plug

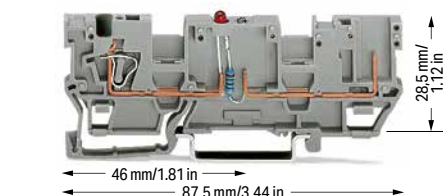
gray	769-121	100
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Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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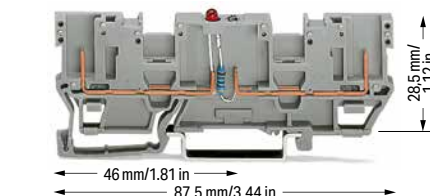
Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

plain	248-501	5
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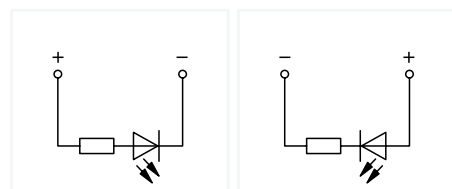
769-219/281-434

769-219/281-413



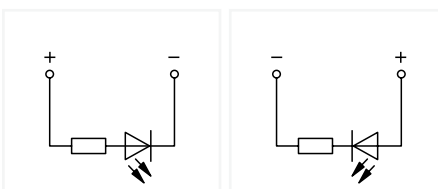
769-209/281-434

769-209/281-413



1-conductor/1-pin LED carrier terminal block; with two jumper positions

	Item No.	Pack. Unit
○ Anode, left side	769-219/281-434	50
○ Anode, right side	769-219/281-413	50



2-pin LED carrier terminal block; with two jumper positions

	Item No.	Pack. Unit
○ Anode, left side	769-209/281-434	50
○ Anode, right side	769-209/281-413	50

Accessories; item-specific

End and intermediate plate; 1.1 mm thick

orange	769-312	100 (25)
gray	769-311	100 (25)

Separator; oversized; 1.1 mm thick

orange	769-314	100 (25)
--------	---------	----------

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
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Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
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1-Conductor/1-Pin and 2-Pin Carrier Terminal Blocks and 1-Conductor Female Plugs

X-COM®-SYSTEM

Assembly Types



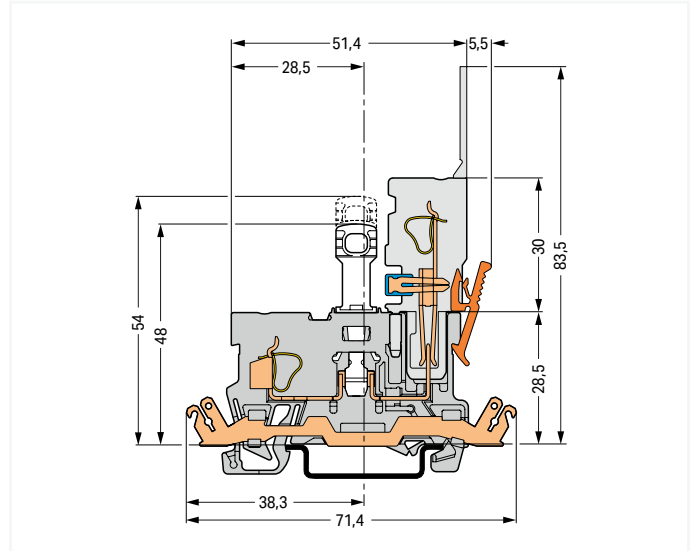
1-conductor female plug
Disconnect carrier terminal blocks cannot be commoned.



1-conductor female plug
Disconnect carrier terminal blocks cannot be commoned.



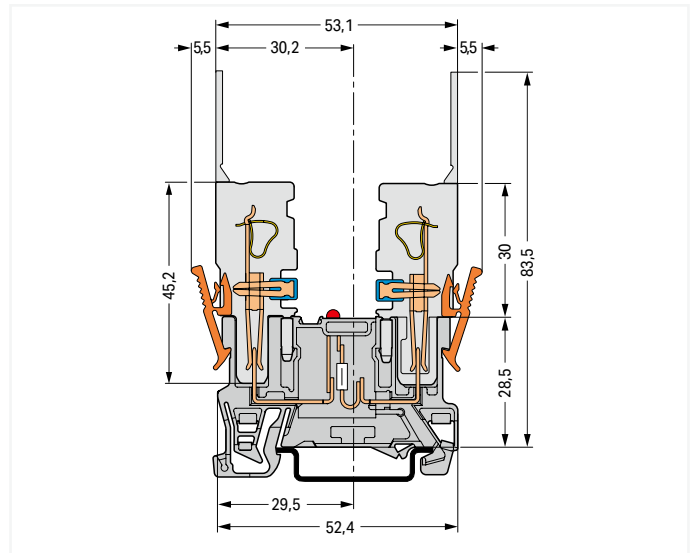
1-conductor female plug
Diode carrier terminal blocks cannot be commoned.



Disconnect carrier terminal block; with shield contact



1-conductor female plug
LED carrier terminal blocks cannot be commoned.



LED carrier terminal block

1-Conductor/1-Pin and 2-Pin Carrier Terminal Blocks X-COM®-SYSTEM; with Two Jumper Positions and 1-/2-Conductor Female Plugs Assembly Types



1-conductor female plug

Disconnect carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



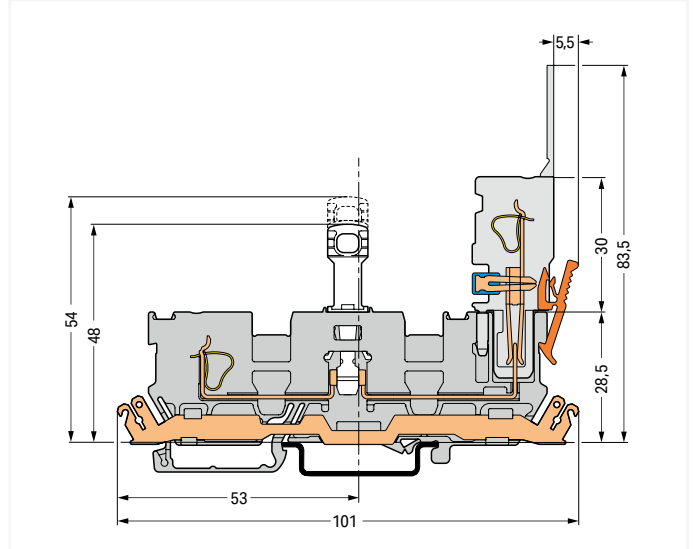
2-conductor female plug

Disconnect carrier terminal blocks can be commoned via 280 and 780 Series Jumpers.

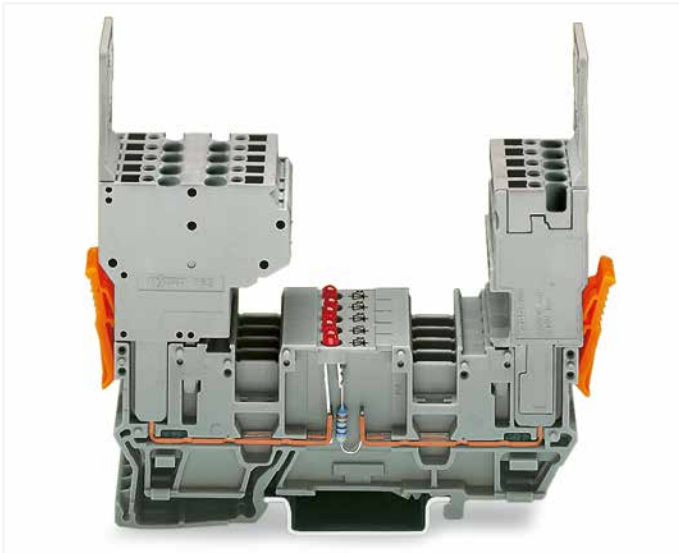


2-conductor female plug

Diode carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).

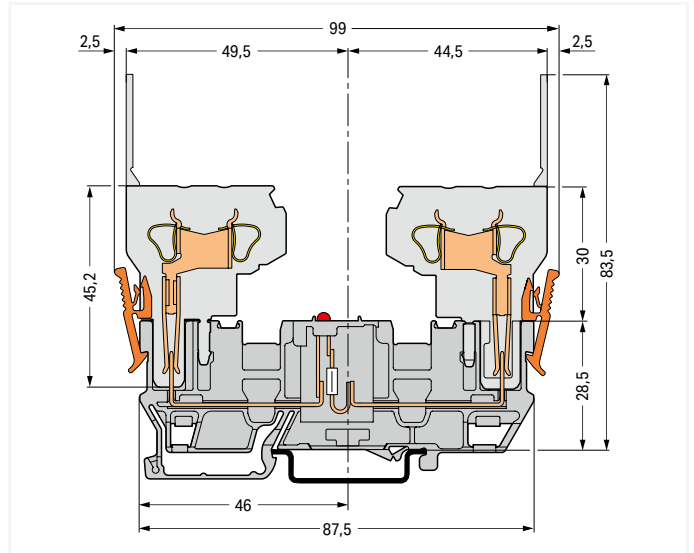


Disconnect carrier terminal block; with shield contact



2-conductor and 1-conductor female plugs (may be reversed)

LED carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



LED carrier terminal block

1-Conductor/1-Conductor Pin Disconnect Carrier Terminal Block X-COM®-SYSTEM; with Two Jumper Positions

4 mm²; 769 Series

Technical Data

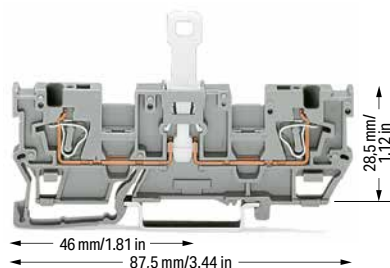
0.08 ... 4 mm² | 28 ... 12 AWG

400 V / 6 kV / 3 ①

I_N 16 A

Terminal block width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch



1-conductor/1-conductor pin disconnect carrier terminal block; with two jumper positions

Color	Item No.	Pack. Unit
gray	769-242	50

1-conductor/1-conductor disconnect carrier terminal block; with shield contact

gray	769-243 ①	50
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Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

orange	769-318	100 (25)
gray	769-317	100 (25)

Separator plate; oversized; 1.1 mm thick

orange	769-319	100 (25)
--------	---------	----------

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
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Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
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Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
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Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow	280-415	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

- ① 400 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
250 V / 4 kV / 3 = Nominal voltage with shield contact (see Section 15)

Please observe the application notes:
Insulation stop, page 425
Jumpers, from page 426
Testing accessories, from page 422
Mini-WSB marking system, page 684Approvals and corresponding ratings,
visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB InlineStaggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

Spacer module; snaps together; 5 mm wide

gray	280-419	100 (25)
------	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
-----	---------	----

Test plug adapter; 5 mm wide; for 1.5 ... 4 mm² terminal blocks

gray	280-404	100 (25)
------	---------	----------

Disconnect lock; for disconnect tab used on disconnect terminal blocks (280/281 and 769 Series)

red	709-170	200 (25)
-----	---------	----------

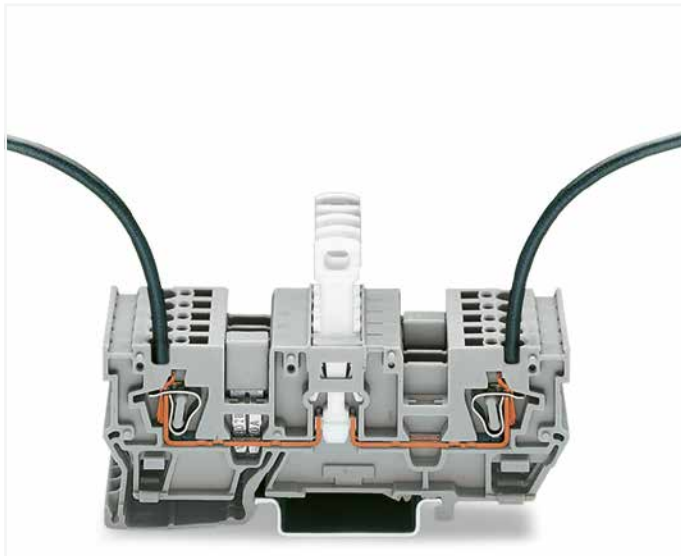
Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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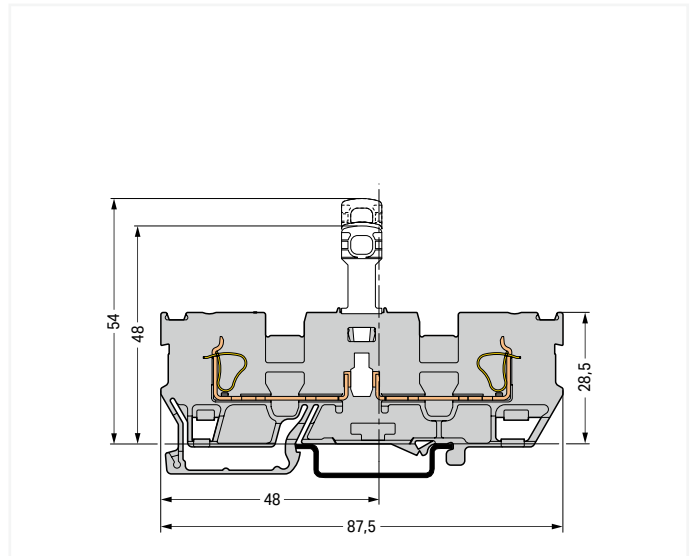
Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

plain	248-501	5
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1-Conductor/1-Conductor Pin Disconnect Carrier Terminal Blocks X-COM®-SYSTEM; with Two Jumper Positions Assembly Types



Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



Disconnect carrier terminal block

1-Conductor/1-Pin Carrier Terminal Block and Carrier Terminal Block X-COM®-SYSTEM; for Pluggable Module (Fuses, Relays, Optocouplers, etc.) 4 mm²; 769 Series

Technical Data

0.08 ... 4 mm²	28 ... 12 AWG
400 V / 6 kV / 3 ❶	300 V, 20 A ❷
I _N 16 A ❷	300 V, 20 A ❸

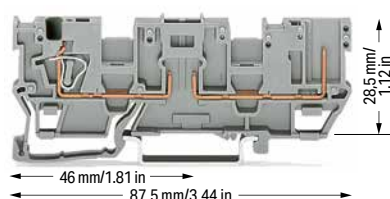
Terminal block width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

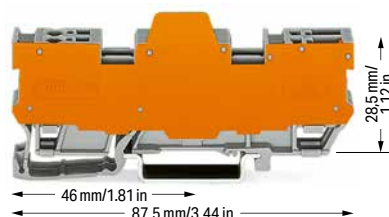
0.08 ... 4 mm²	28 ... 12 AWG
400 V / 6 kV / 3 ❶	300 V, 20 A ❷
I _N 16 A ❷	300 V, 20 A ❸

8 ... 9 mm / 0.31 ... 0.35 inch



1-conductor/1-pin carrier terminal block; with two jumper positions; gray

	Item No.	Pack. Unit
○ 2-pole	769-181	50



1-conductor/1-pin terminal block for pluggable modules; with two jumper positions; with orange separator plate; gray

	Item No.	Pack. Unit
○ 4-pole; 11.1 mm wide	769-182/769-314	10
○ 6-pole; 16.1 mm wide	769-183/769-314	5
○ 8-pole; 21.1 mm wide	769-184/769-314	5
○ 10-pole; 26.1 mm wide	769-185/769-314	5

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

orange	769-312	100 (25)
gray	769-311	100 (25)

Separator; oversized; 1.1 mm thick

orange	769-314	100 (25)
--------	---------	----------

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
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Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
--------	---------	----------

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug module; snaps together; 5 mm wide

gray	280-418	100 (25)
------	---------	----------

Spacer module; snaps together; 5 mm wide

gray	280-419	100 (25)
------	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
-----	---------	----

❶ 400 V = rated voltage

6 kV = rated impulse voltage

3 = pollution degree

(see Section 15)

❷ 16 A, 85°C upper temperature limit, current-carrying capacity curves upon request

Note: 2-conductor female plugs cannot be used.

Please observe the application notes:

Insulation stop, page 425

Jumpers, from page 426

Testing accessories, from page 422

Mini-WSB marking system, page 684

Approvals and corresponding ratings, visit www.wago.com

Accessories; 769 Series

Appropriate marking systems:

Mini-WSB/Mini-WSB Inline

Test plug adapter; 5 mm wide; for 1.5 ... 4 mm² terminal blocks

gray	280-404	100 (25)
------	---------	----------

1-connector female plug; straight

gray	769-101	200
------	---------	-----

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

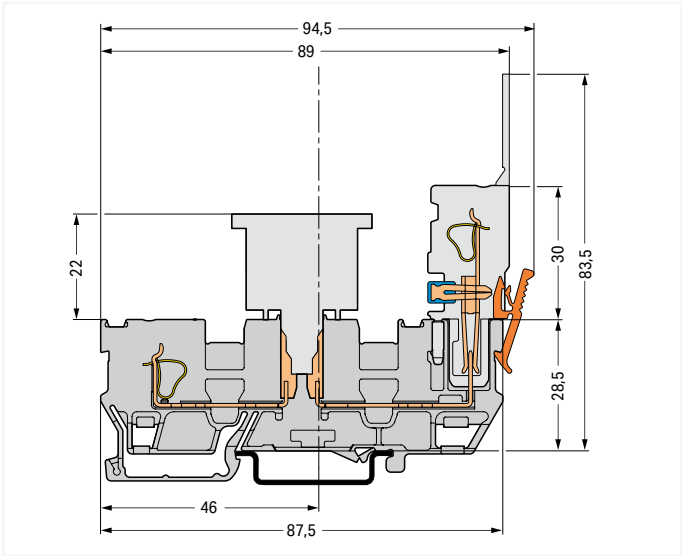
white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

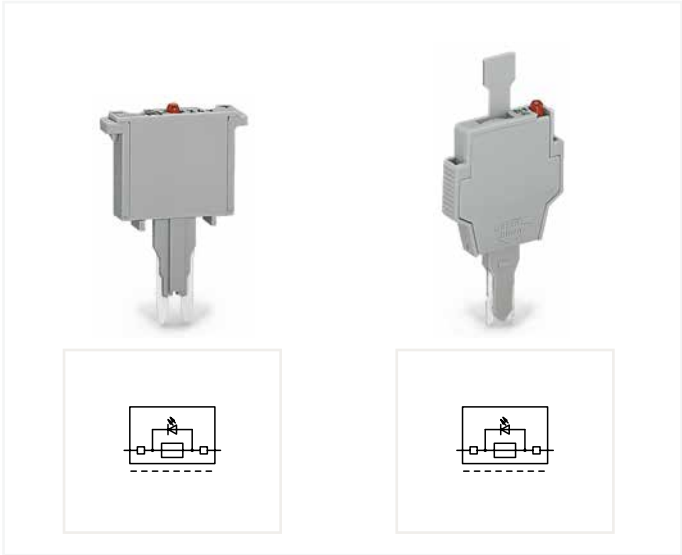
plain	248-501	5
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1-Conductor Female Plugs and Selection of Pluggable Modules X-COM®-SYSTEM

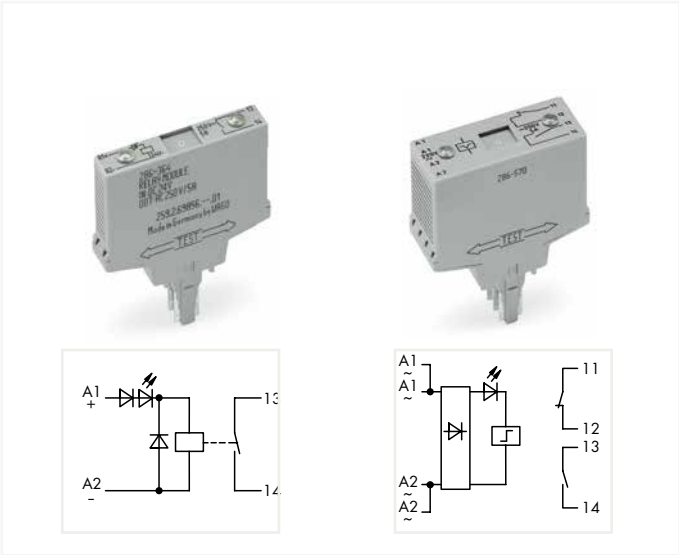
Assembly Types



Carrier terminal block



Selection of pluggable modules

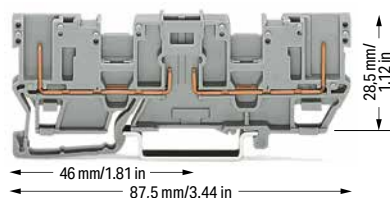


Selection of pluggable modules

2-Pin Carrier Terminal Block and Carrier Terminal Block X-COM®-SYSTEM; for Pluggable Module (Fuses, Relays, Optocouplers, etc.) 769 Series

Technical Data

400 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 16 A ②	300 V, 20 A ③
Terminal block width: 5 mm / 0.197 inch	

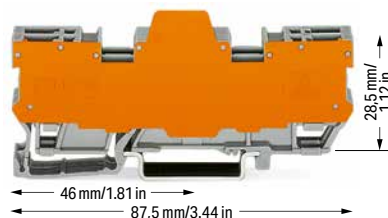


2-pin carrier terminal block; with two jumper positions; gray

	Item No.	Pack. Unit
○ 2-pole	769-161	50

Technical Data

400 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 16 A ②	300 V, 20 A ③



2-pin terminal block for pluggable modules; with two jumper positions; with orange separator plate; gray

	Item No.	Pack. Unit
○ 4-pole; 11.1 mm wide	769-162/769-313	10
○ 6-pole; 16.1 mm wide	769-163/769-313	5
○ 8-pole; 21.1 mm wide	769-164/769-313	5
○ 10-pole; 26.1 mm wide	769-165/769-313	5

- ① 400 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree (see Section 15)

- ② 16 A, 85°C upper temperature limit, current-carrying capacity curves upon request

Note: 2-conductor female plugs cannot be used.

Please observe the application notes:
Jumpers, from page 426
Mini-WSB marking system, page 684

Approvals and corresponding ratings, visit www.wago.com

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

orange	769-310	100 (25)
gray	769-309	100 (25)

Separator; oversized; 1.1 mm thick

orange	769-313	100 (25)
--------	---------	----------

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

1-conductor female plug; straight

gray	769-101	200
------	---------	-----

1-conductor female plug; angled

gray	769-101/022-000	200
------	-----------------	-----

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

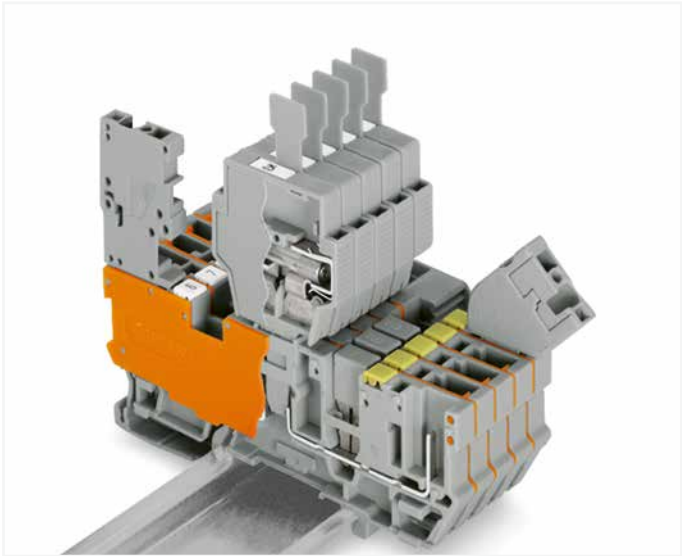
white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

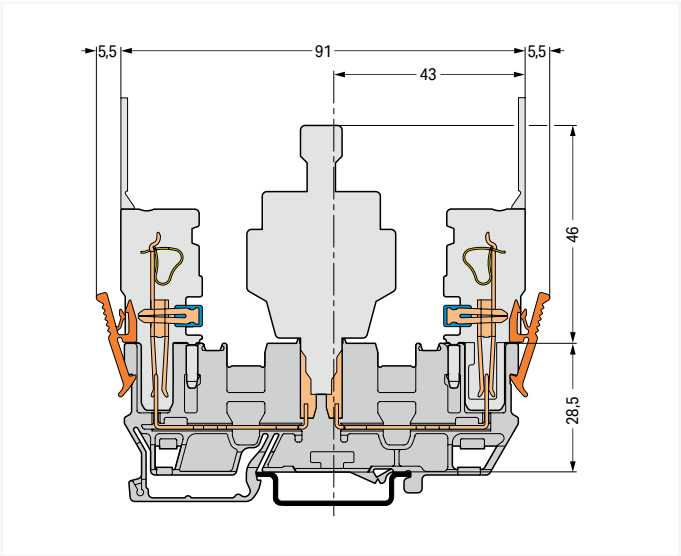
plain	248-501	5
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1-Conductor Female Plugs and Selection of Pluggable Modules X-COM®-SYSTEM

Assembly Types



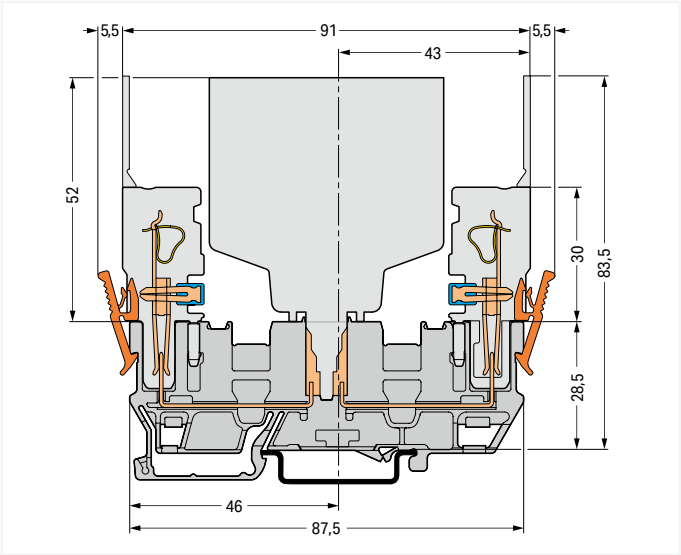
With 6 mm wide fuse plugs, only 1-pole female plugs can be used. Commoning is only possible using adjacent jumpers (280 Series) and push-in type wire jumpers.



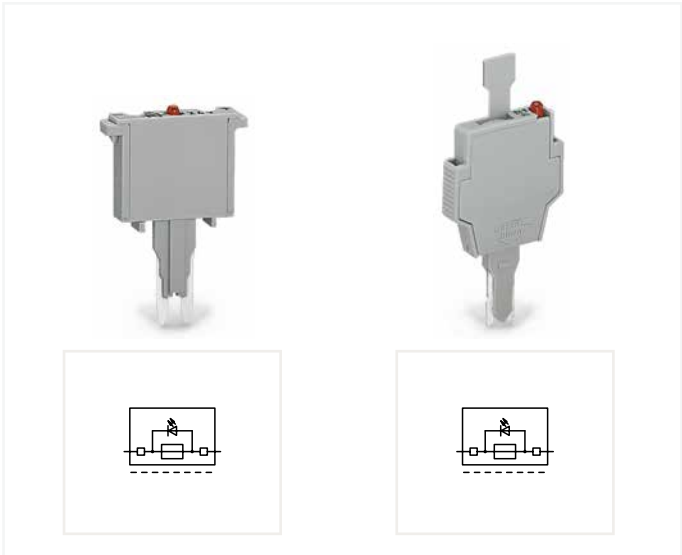
Carrier terminal block
For other dimensions, see carrier terminal block (769-151).



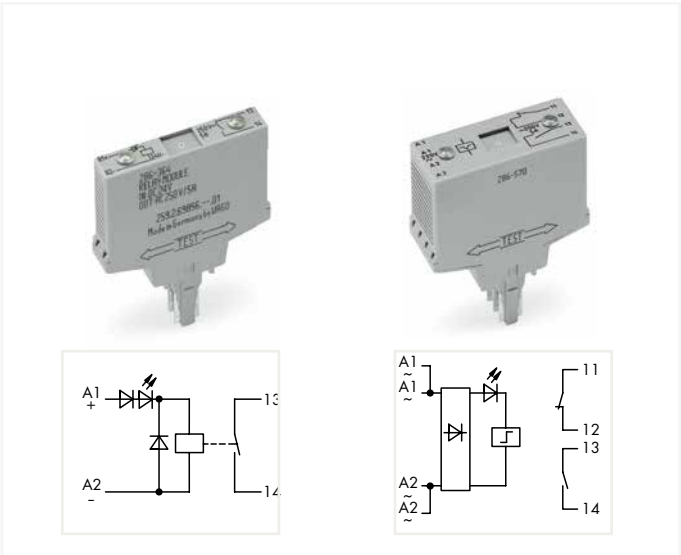
2-pin terminal block for pluggable modules; with orange separator plate



Carrier terminal block



Selection of pluggable modules



Selection of pluggable modules

1-Conductor/1-Conductor Carrier Terminal Block and Carrier Terminal Block X-COM®-SYSTEM; for Pluggable Module (Fuses, Relays, Optocouplers, etc.) 4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
400 V / 6 kV / 3 ❶	300 V, 20 A ❷
I _N 16 A ❷	300 V, 20 A ❸

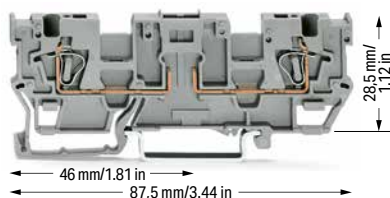
Terminal block width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch

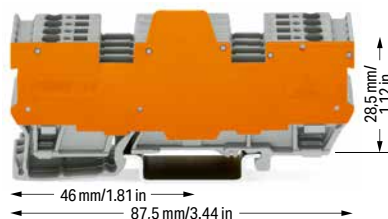
Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
400 V / 6 kV / 3 ❶	300 V, 20 A ❷
I _N 16 A ❷	300 V, 20 A ❸

8 ... 9 mm / 0.31 ... 0.35 inch



1-conductor/1-conductor carrier terminal block; with two jumper positions; gray



1-conductor/1-conductor terminal block for pluggable modules; with two jumper positions; with orange separator plate; gray

	Item No.	Pack. Unit
○ 2-pole	769-191	50

	Item No.	Pack. Unit
○ 4-pole; 11.1 mm wide	769-192/769-319	10
○ 6-pole; 16.1 mm wide	769-193/769-319	5
○ 8-pole; 21.1 mm wide	769-194/769-319	5
○ 10-pole; 26.1 mm wide	769-195/769-319	5

Accessories; 769 Series

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

End and intermediate plate; 1.1 mm thick

orange	769-318	100 (25)
gray	769-317	100 (25)

Separator; oversized; 1.1 mm thick

orange	769-319	100 (25)
--------	---------	----------

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Alternate jumper; insulated; I_N = I_N terminal block

gray	280-409	100 (25)
------	---------	----------

Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Push-in type wire jumper; insulated; 0.75 mm² conductor cross section; I_N 9 A

L = 60 mm	249-125	100 (10)
L = 110 mm	249-126	100 (10)
L = 250 mm	249-127	100 (10)

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
-----	---------	----

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	6
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❶ 400 V = rated voltage

6 kV = rated impulse voltage

3 = pollution degree

(see Section 15)

❷ 16 A, 85°C upper temperature limit, current-carrying capacity curves upon request

Please observe the application notes:

Insulation stop, page 425

Jumpers, from page 426

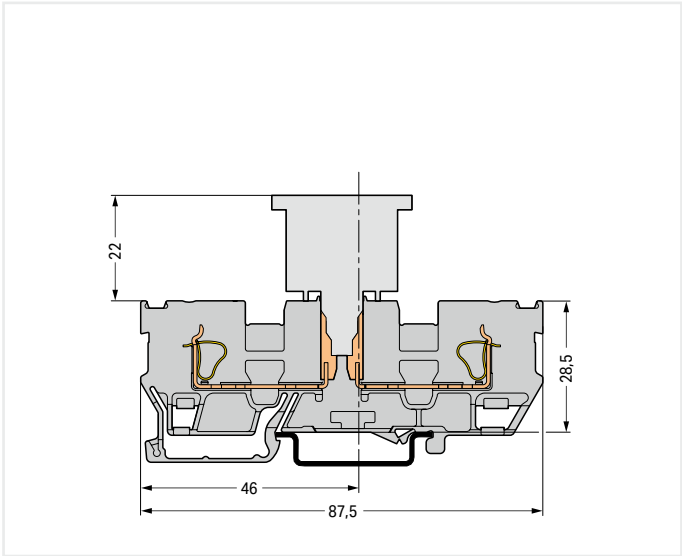
Testing accessories, from page 422

Mini-WSB marking system, page 684

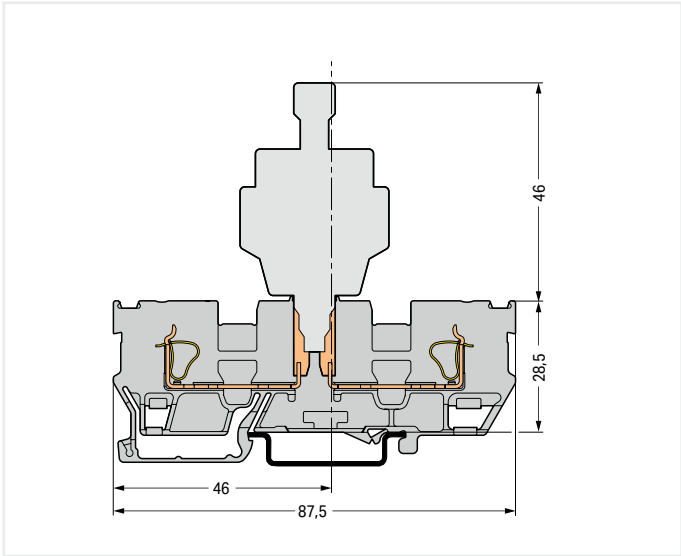
Approvals and corresponding ratings,

visit www.wago.com

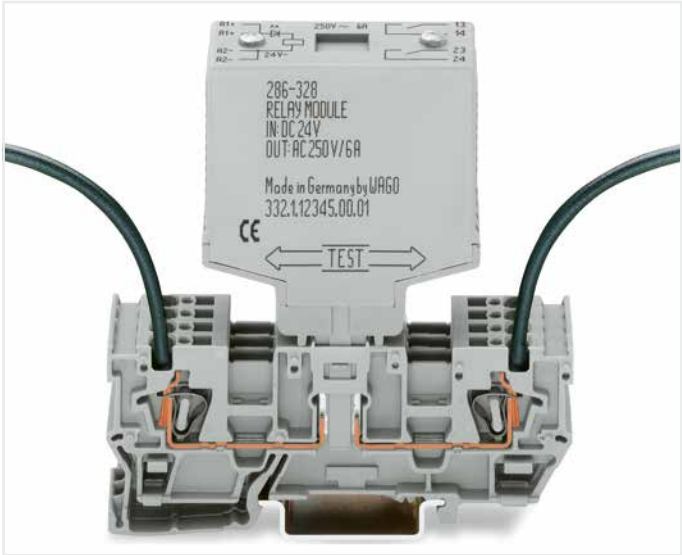
Selection of Pluggable Modules
Assembly Types



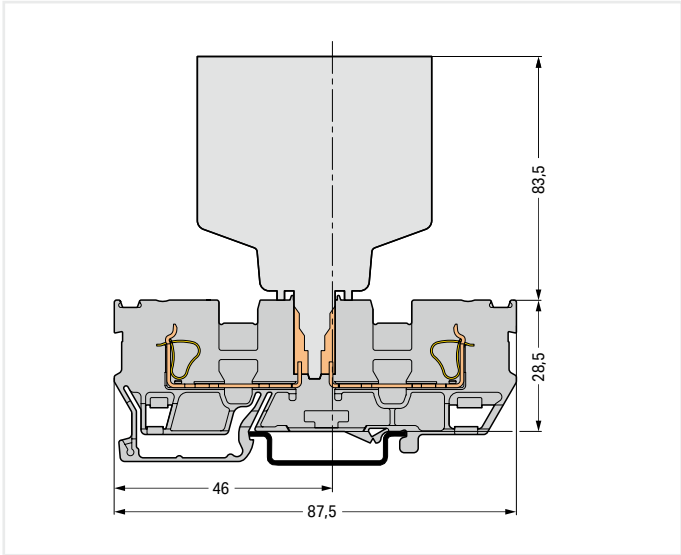
Carrier terminal block



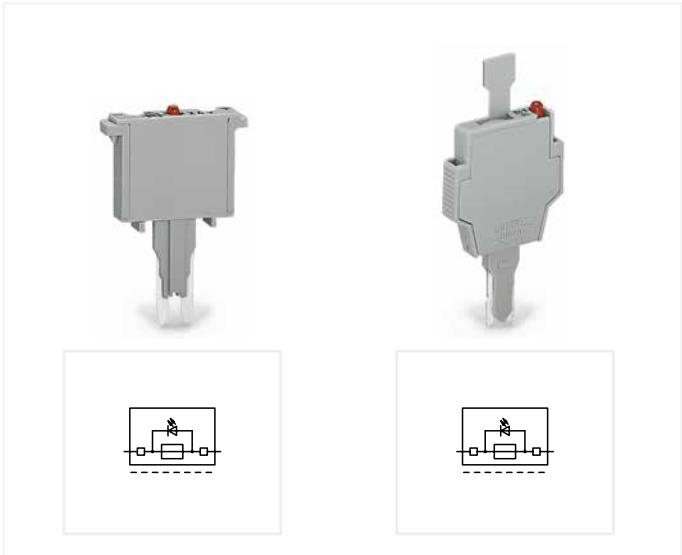
Carrier terminal block



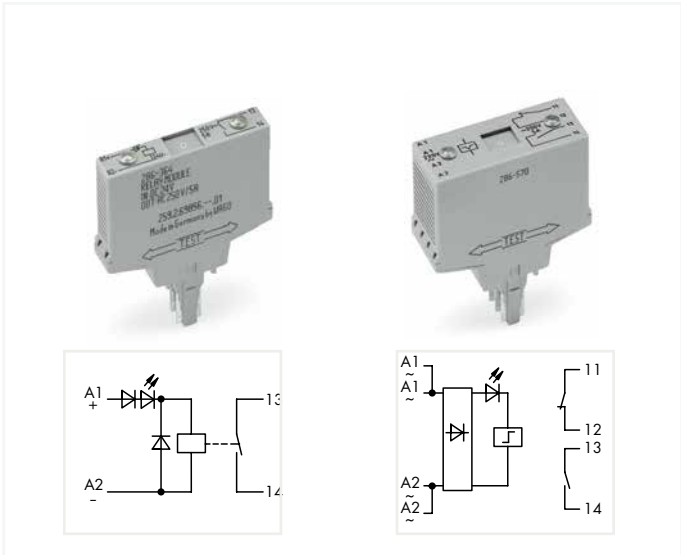
1-conductor/1-conductor carrier terminal block; with two jumper positions



Carrier terminal block



Selection of pluggable modules



Selection of pluggable modules

Fuse Plugs, Pluggable Diode and LED Modules



Fuse plug; with soldered miniature fuse; 5 mm wide; gray
Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
	250 mA FF 280-850	100
	500 mA FF 280-852	100
	1 A FF 280-854	100
	2 A FF 280-856	100

Diode module; with 1N4007 diode; 5 mm wide

	Item No.	Pack. Unit
	gray 280-801/281-411	100

LED module; with red LED; 5 mm wide; I_N 5.6 mA; I_F 25 mA; gray

	Item No.	Pack. Unit
	24 VDC 280-801/281-413	100
	48 VDC 280-801/281-414	100

Fuse plug; with soldered miniature fuse; with additional indicator lamp; red LED; 15 ... 30 VDC; 5 mm wide; gray
Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 5 ... 20 mA

	250 mA FF 280-850/281-413	100
	500 mA FF 280-852/281-413	100
	1 A FF 280-854/281-413	100
	2 A FF 280-856/281-413	100

Diode module; with 1N4007 recovery diode; red LED; 5 mm wide; gray

	24 VDC 280-801/281-420	100
	48 VDC 280-801/281-421	100

LED module; with red LED; 5 mm wide; I_N 5.6 mA; I_F 25 mA; gray

	24 VAC/DC 280-801/281-415	100
	48 VAC/VDC 280-801/281-416	100

Fuse plug with pull-tab; for 5 x 20 mm and 5 x 25 mm glass cartridge fuses; 6 mm wide
Electrical ratings are given by the fuse.

	281-511	50
--	---------	----

Neon indicator module; 5 mm wide; I_N 0.5 mA; gray

	120 VAC/VDC 280-801/281-418	100
	230 VAC/VDC 280-801/281-417	100

Fuse plug with pull-tab; for 5 x 20 mm and 5 x 25 mm glass cartridge fuses; with hole for one LED (for self-assembly); 6 mm wide; gray
Electrical ratings are given by the fuse and blown fuse indication.

	281-512	50
--	---------	----

Fuse plug with pull-tab; for 5 x 20 mm and 5 x 25 mm glass cartridge fuses; with LED; 24 VAC/DC; 6 mm wide
Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 5 ... 20 mA

	281-512/281-501	50
--	-----------------	----

Fuse plug with pull-tab; for 5 x 20 mm and 5 x 25 mm glass cartridge fuses; with neon lamp; 120 VAC/DC; 6 mm wide
Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: Neon lamp < 0.4 mA

	281-512/281-418	50
	281-512/281-417	50

1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®-SYSTEM

2.5 (4 "f-st") mm²; 870 Series

Technical Data

0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG

500 V / 6 kV / 3 ② | 300 V, 20 A I_N I_N 16 A

Terminal block width: 5 mm / 0.197 inch

 6 ... 7 mm / 0.24 ... 0.28 inch

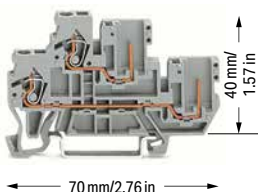
Technical Data

0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG

500 V / 6 kV / 3 ②

 I_N 16 A

Terminal block width: 5 mm / 0.197 inch

 6 ... 7 mm / 0.24 ... 0.28 inch

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; gray

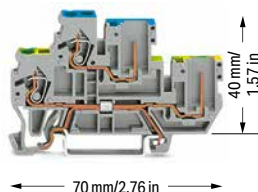
	Item No.	Pack. Unit
○ L/L	870-101	50
○ N/L	870-102	50
○ L/N	870-103	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; blue

● N/N	870-104	50
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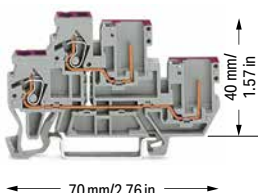
Other terminal blocks with the same profile:

Through	870-501	Page 432
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1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; gray

	Item No.	Pack. Unit
○ PE/N	870-117	50
○ PE/L	870-127	50

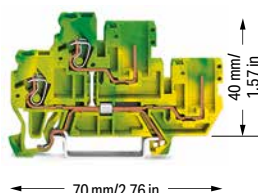


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; internally commoned; Violet conductor entry; gray

	Item No.	Pack. Unit
○ L	870-108	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; internally commoned; Violet conductor entry; blue

● N	870-109	50
-----	---------	----



2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; internally commoned; green-yellow

	Item No.	Pack. Unit
● PE	870-107	50

① Max. insulation diameter: 4.4 mm

② 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

Note: 2-conductor female plugs cannot be used.

Please observe the application notes:
Insulation stop, page 425
Marking, from page 684Approvals and corresponding ratings,
visit www.wago.com

Accessories; 870 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline/WMB/WMB Inline

End and intermediate plate; 1 mm thick

	orange	870-119	100 (25)
	gray	870-118	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

	white	280-470	200 (25)
---	-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

	light gray	280-471	200 (25)
---	------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

	dark gray	280-472	200 (25)
---	-----------	---------	----------

Coding pin; for coding female plugs

	orange	769-435	100 (25)
---	--------	---------	----------

Push-in type jumper bar; insulated; I_N 18 A; light gray

	2-way	870-402	200 (25)
	3-way	870-403	200 (25)
	4-way	870-404	100 (25)
	5-way	870-405	100 (25)
	6-way	870-406	100 (25)
	7-way	870-407	100 (25)
	8-way	870-408	100 (25)
	9-way	870-409	100 (25)
	10-way	870-410	50 (25)

Push-in type jumper bar; insulated; I_N 18 A; light gray

	1 to 3	870-433	200 (25)
	1 to 4	870-434	200 (25)
	1 to 5	870-435	100 (25)
	1 to 6	870-436	100 (25)
	1 to 7	870-437	100 (25)
	1 to 8	870-438	100 (25)
	1 to 9	870-439	100 (25)
	1 to 10	870-440	50 (25)

Pin cover; with Mini-WSB marker slot

	gray	769-438	100 (25)
	orange	769-439	100 (25)

1-conductor female plug; straight

	gray	769-101	200
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1-conductor female plug; angled

	gray	769-101/022-000	200
---	------	-----------------	-----

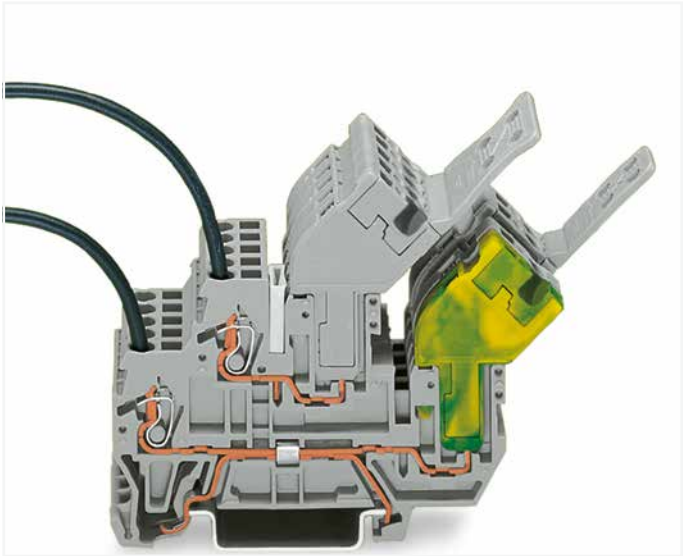
1-Conductor/1-Pin Double-Deck Carrier Terminal Blocks and 1-/2-Conductor Female Plugs

X-COM®-SYSTEM

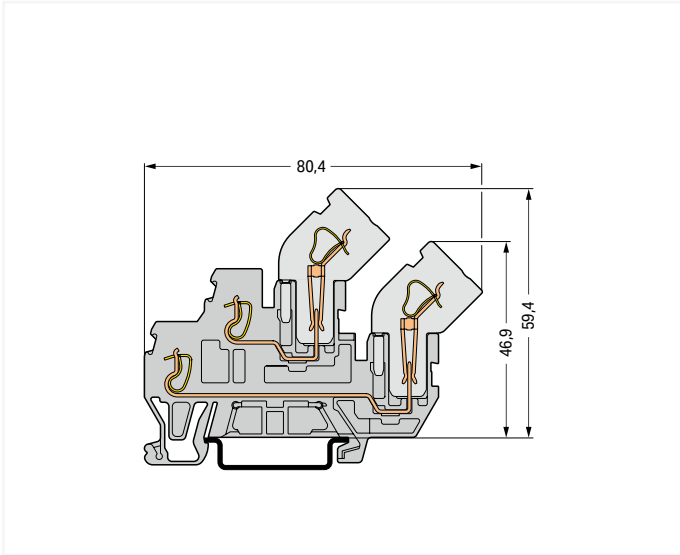
Assembly Types



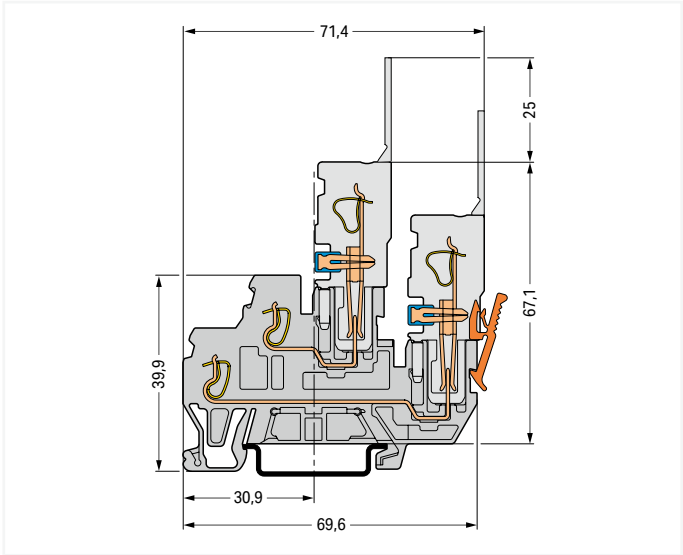
Commoning a double-deck through terminal block (870-501) with a 1-conductor/1-pin double-deck terminal block (870-101) via push-in type jumper bar.



1-conductor female plug; angled
Double-deck carrier terminal blocks can be commoned via 870 Series Push-In Type Jumper Bars.



Carrier terminal block

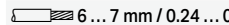


Carrier terminal block

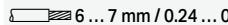
2-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®-SYSTEM

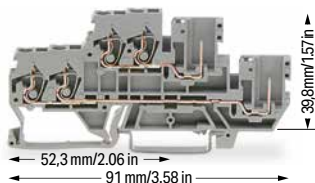
2.5 (4 "f-st") mm²; 870 Series

Technical Data

0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG
 500 V / 6 kV / 3 ② | 300 V, 20 A $I_{N_{max}}$
 I_N 16 A
 Terminal block width: 5 mm / 0.197 inch


Technical Data

0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG
 Terminal block width: 5 mm / 0.197 inch


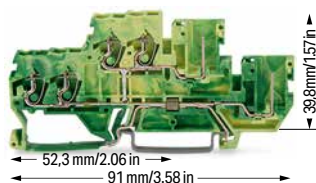


2-conductor/1-pin double-deck carrier terminal block; through/through terminal block; gray

	Item No.	Pack. Unit
○ L/L	870-1131	40

4-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; internally commoned; Violet conductor entry; gray

○ L	870-1138	40
-----	----------	----



4-conductor/2-pin double-deck carrier block; 4-conductor/2-pin ground conductor block; internally commoned; green-yellow

	Item No.	Pack. Unit
● PE/N	870-1137	40

① Max. insulation diameter: 4.4 mm

② 500 V = rated voltage
 6 kV = rated impulse voltage
 3 = pollution degree
 (see Section 15)

Note: 2-conductor female plugs cannot be used.

Please observe the application notes:
 Insulation stop, page 425
 Marking, from page 684

Approvals and corresponding ratings,
 visit www.wago.com

Accessories; 870 Series

Appropriate marking systems:
 Mini-WSB/Mini-WSB Inline/WMB/WMB Inline

End and intermediate plate; 1 mm thick

	orange	870-1149	100 (25)
	gray	870-1148	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

	white	280-470	200 (25)
---	-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

	light gray	280-471	200 (25)
---	------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

	dark gray	280-472	200 (25)
---	-----------	---------	----------

Coding pin; for coding female plugs

	orange	769-435	100 (25)
---	--------	---------	----------

Push-in type jumper bar; insulated; I_N 18 A; light gray

	2-way	870-402	200 (25)
	3-way	870-403	200 (25)
	4-way	870-404	100 (25)
	5-way	870-405	100 (25)
	6-way	870-406	100 (25)
	7-way	870-407	100 (25)
	8-way	870-408	100 (25)
	9-way	870-409	100 (25)
	10-way	870-410	50 (25)

Push-in type jumper bar; insulated; I_N 18 A; light gray

	1 to 3	870-433	200 (25)
	1 to 4	870-434	200 (25)
	1 to 5	870-435	100 (25)
	1 to 6	870-436	100 (25)
	1 to 7	870-437	100 (25)
	1 to 8	870-438	100 (25)
	1 to 9	870-439	100 (25)
	1 to 10	870-440	50 (25)

Pin cover; with Mini-WSB marker slot

	gray	769-438	100 (25)
	orange	769-439	100 (25)

1-conductor female plug; straight

	gray	769-101	200
---	------	---------	-----

1-conductor female plug; angled

	gray	769-101/022-000	200
---	------	-----------------	-----

2-Pin/2-Pin Double-Deck Carrier Terminal Block X-COM®-SYSTEM 870 Series

Technical Data

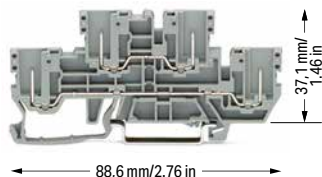
500 V / 6 kV / 3 ① | 300 V, 20 A 

I_N 16 A

Terminal block width: 5 mm / 0.197 inch

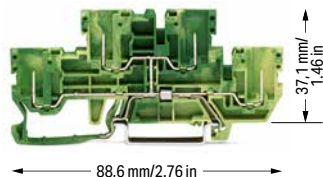
Technical Data

Terminal block width: 5 mm / 0.197 inch



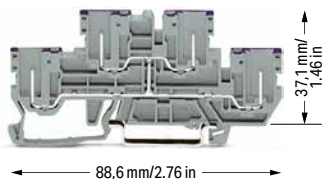
2-pin/2-pin double-deck carrier terminal block; through/through terminal block; gray

	Item No.	Pack. Unit
○ L/L	870-151	50



4-pin double-deck carrier block; 4-pin ground conductor block; internally commoned; green-yellow

	Item No.	Pack. Unit
● PE	870-157	50



4-pin double-deck carrier terminal block; 4-pin through terminal block; internally commoned; Violet conductor entry; gray

	Item No.	Pack. Unit
○ L	870-158	50

- ① 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

Note: 2-conductor female plugs cannot be used.

Approvals and corresponding ratings, visit www.wago.com

Accessories; 870 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline/WMB/WMB Inline

End and intermediate plate; 1 mm thick

	orange	870-169	100 (25)
	gray	870-168	100 (25)

Coding pin; for coding female plugs

	orange	769-435	100 (25)
---	--------	---------	----------

Push-in type jumper bar; insulated; I_N 18 A; light gray

	2-way	870-402	200 (25)
	3-way	870-403	200 (25)
	4-way	870-404	100 (25)
	5-way	870-405	100 (25)
	6-way	870-406	100 (25)
	7-way	870-407	100 (25)
	8-way	870-408	100 (25)
	9-way	870-409	100 (25)
	10-way	870-410	50 (25)

Push-in type jumper bar; insulated; I_N 18 A; light gray

	1 to 3	870-433	200 (25)
	1 to 4	870-434	200 (25)
	1 to 5	870-435	100 (25)
	1 to 6	870-436	100 (25)
	1 to 7	870-437	100 (25)
	1 to 8	870-438	100 (25)
	1 to 9	870-439	100 (25)
	1 to 10	870-440	50 (25)

Pin cover; with Mini-WSB marker slot

	gray	769-438	100 (25)
	orange	769-439	100 (25)

1-conductor female plug; straight

	gray	769-101	200
---	------	---------	-----

1-conductor female plug; angled

	gray	769-101/022-000	200
---	------	-----------------	-----

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

	white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

	plain	248-501	5
---	-------	---------	---

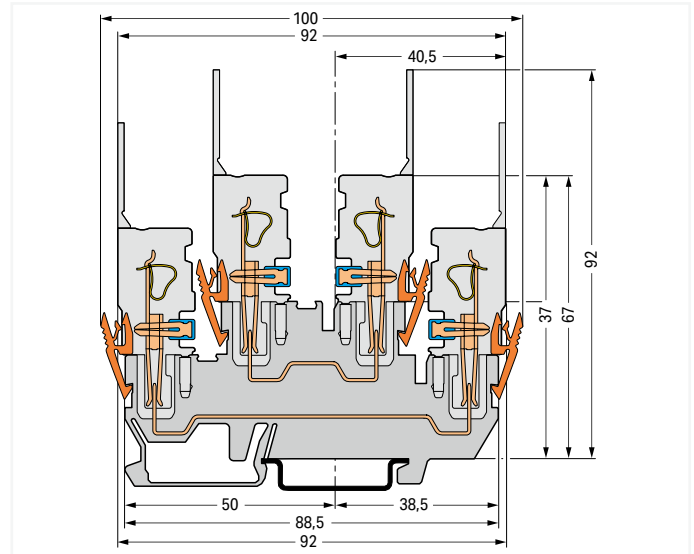
2-Pin/2-Pin Double-Deck Carrier Terminal Blocks and 1-Conductor Female Plugs

X-COM®-SYSTEM

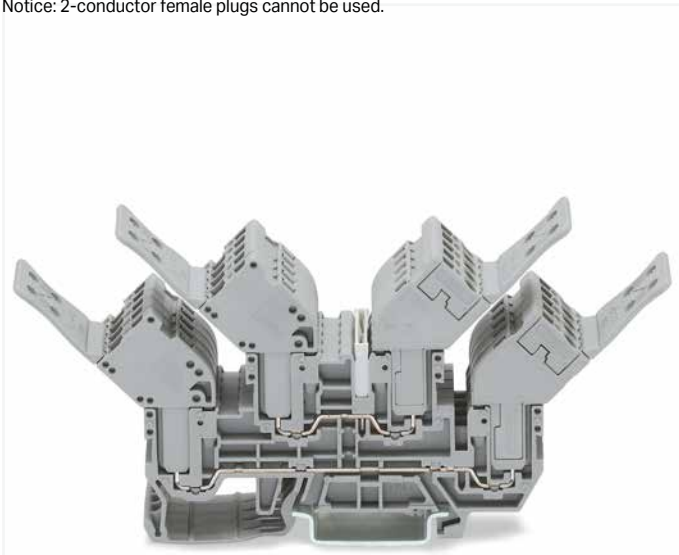
Assembly Types



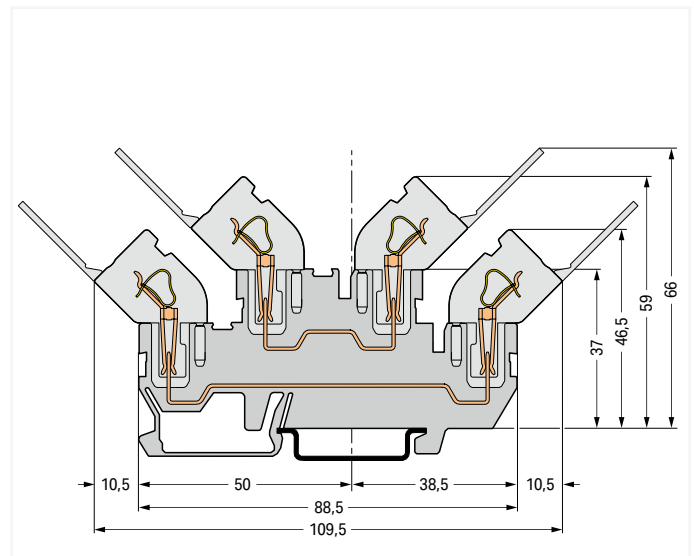
1-conductor female plug; straight
Double-deck carrier terminal blocks can be commoned via 870 Series Push-In Type Jumper Bars.
Notice: 2-conductor female plugs cannot be used.



Carrier terminal block



1-conductor female plug; angled
Double-deck carrier terminal blocks can be commoned via 870 Series Push-In Type Jumper Bars.



Carrier terminal block

2-Conductor/2-Pin Double-Deck Carrier Terminal Block X-COM®-SYSTEM

2.5 (4 "f-st") mm²; 870 Series

Technical Data

0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG
500 V / 6 kV / 3 ② | 300 V, 20 A, I_N

I_N 16 A

Terminal block width: 5 mm / 0.197 inch

6 ... 7 mm / 0.24 ... 0.28 inch



2-conductor/2-pin double-deck carrier terminal block; through/through terminal block; gray

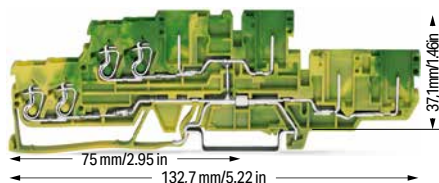
	Item No.	Pack. Unit
○ L/L	870-131	40

Technical Data

0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG

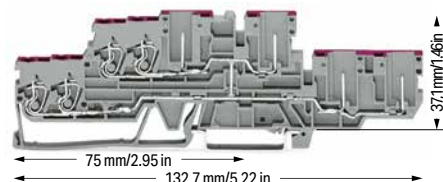
Terminal block width: 5 mm / 0.197 inch

6 ... 7 mm / 0.24 ... 0.28 inch



4-conductor/4-pin double-deck carrier block; 4-conductor/4-pin ground conductor block; internally commoned; green-yellow

	Item No.	Pack. Unit
● PE	870-137	40



4-conductor/4-pin double-deck carrier terminal block; 4-conductor/4-pin through terminal block; internally commoned; Violet conductor entry; gray

	Item No.	Pack. Unit
○ L	870-138	40

① Max. insulation diameter: 4.4 mm

② 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

Note: 2- and 1-conductor angled female plugs cannot be used.

Please observe the application notes:
Insulation stop, page 425
Marking, from page 684

Approvals and corresponding ratings,
visit www.wago.com

Accessories; 870 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline/WMB/WMB Inline

End and intermediate plate; 1 mm thick

orange	870-149	100 (25)
gray	870-148	100 (25)

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	280-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	280-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	280-472	200 (25)
-----------	---------	----------

Coding pin; for coding female plugs

orange	769-435	100 (25)
--------	---------	----------

Push-in type jumper bar; insulated; I_N 18 A; light gray

2-way	870-402	200 (25)
3-way	870-403	200 (25)
4-way	870-404	100 (25)
5-way	870-405	100 (25)
6-way	870-406	100 (25)
7-way	870-407	100 (25)
8-way	870-408	100 (25)
9-way	870-409	100 (25)
10-way	870-410	50 (25)

Push-in type jumper bar; insulated; I_N 18 A; light gray

1 to 3	870-433	200 (25)
1 to 4	870-434	200 (25)
1 to 5	870-435	100 (25)
1 to 6	870-436	100 (25)
1 to 7	870-437	100 (25)
1 to 8	870-438	100 (25)
1 to 9	870-439	100 (25)
1 to 10	870-440	50 (25)

Pin cover; with Mini-WSB marker slot

gray	769-438	100 (25)
orange	769-439	100 (25)

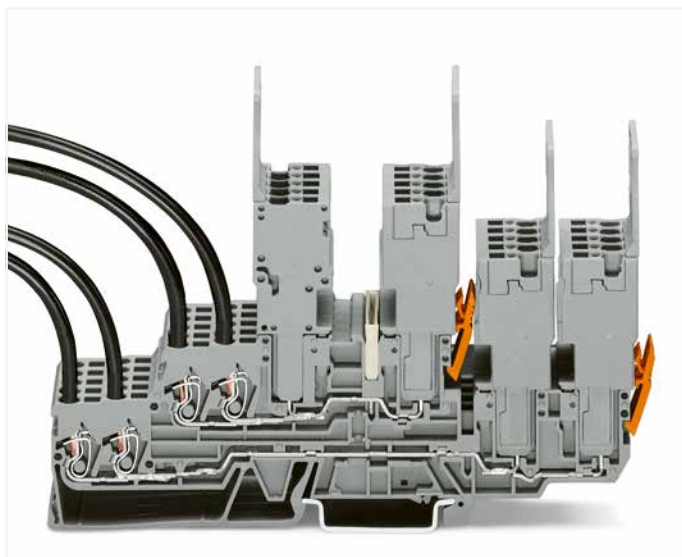
1-conductor female plug; straight

gray	769-101	200
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2-Conductor/2-Pin Double-Deck Carrier Terminal Blocks and 1-Conductor Female Plugs

X-COM®-SYSTEM

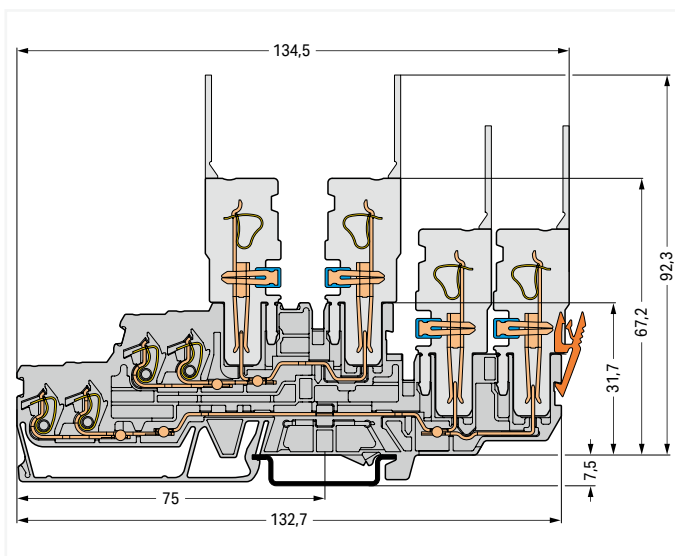
Assembly Types



1-conductor female plug; straight

Double-deck carrier terminal blocks can be commoned via 870 Series Push-In Type Jumper Bars.

Notice: Female plugs must be arranged in the opposite direction on the upper deck. 2-conductor female plugs and angled 1-conductor female plugs cannot be used.



Carrier terminal block

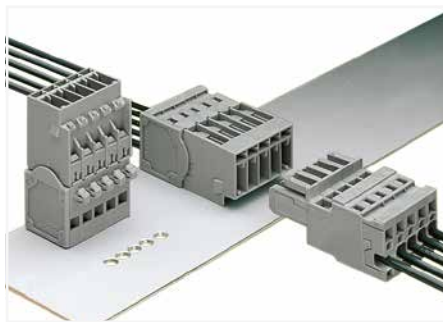
Male Connectors, Headers and Female Plugs X-COM®-SYSTEM

769 Series

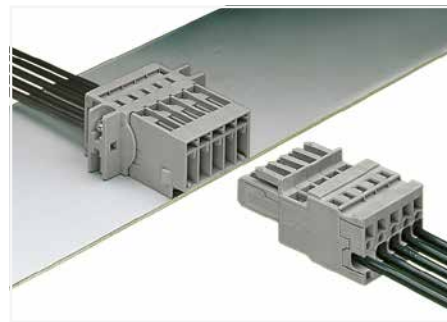
Description and Installation



Male connector; with CAGE CLAMP® connection
1-connector female plug; straight



Male connector; with CAGE CLAMP® connection and
snap-in mounting feet
1-connector female plug; straight



Male connector; with CAGE CLAMP® and mounting flanges
1-connector female plug; straight



Insert a male connector with snap-in flanges
(769-604/005-000) into the cutout.



Male connector; with snap-in flanges
Tool-free assembly



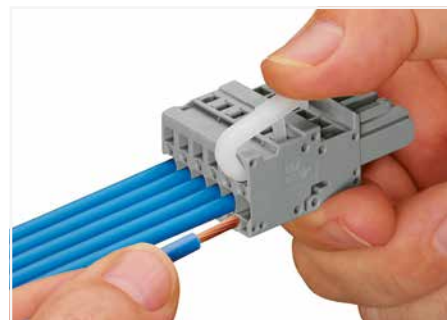
Male connector; with snap-in flanges
Tool-free assembly



Operating tool
Inserting a conductor – side-entry wiring (example shows
a female plug).
With ferruled conductors, it is necessary to use a terminal
block one size smaller than the conductor's nominal cross
section.



Operating tool
Inserting a conductor via operating tool (example shows a
male connector).



Operating lever
Conductor termination – side-entry wiring (example shows
a female plug)



Strain relief plates can be snapped into both male connector
and female plug.



Labeling a male connector with CAGE CLAMP® connection
via Mini-WSB Quick Markers.



Labeling a female plug with CAGE CLAMP® connection via
Mini-WSB Quick Markers.



CAGE CLAMP® terminates the
following copper conductors:
solid "s"



stranded "st"

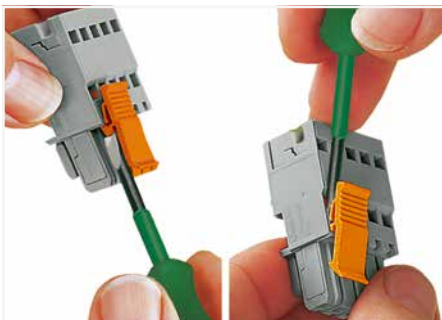


fine-stranded "f-st",
also with tinned
single strands

With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross section.



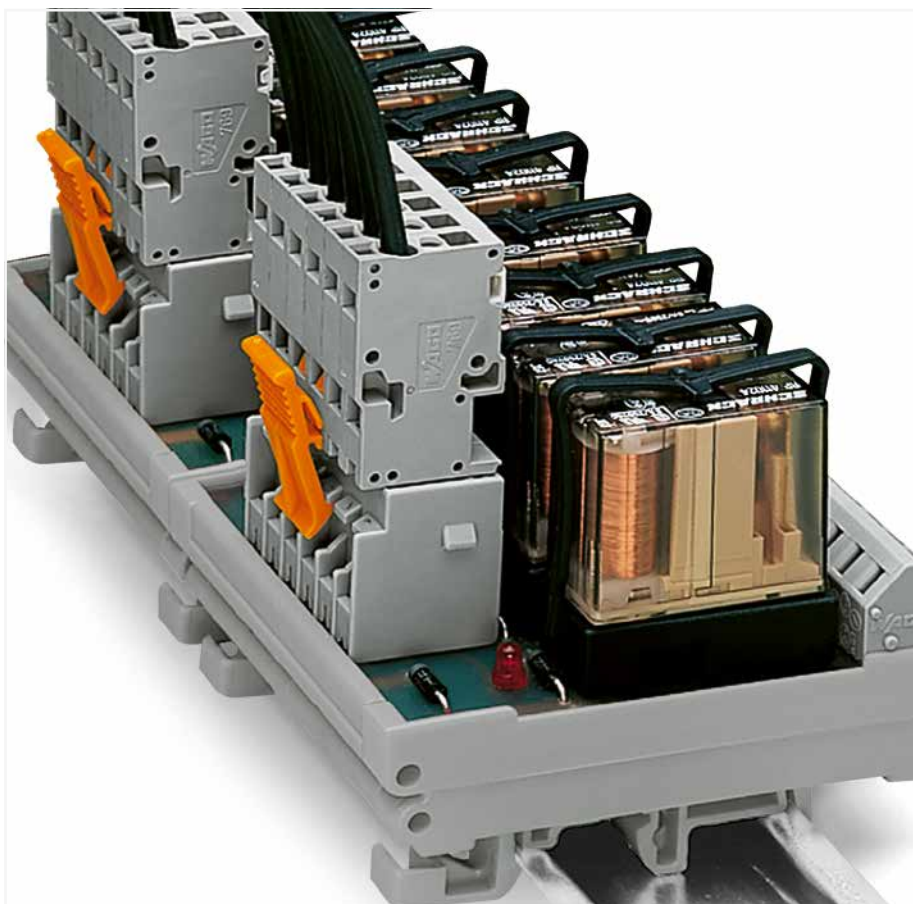
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.



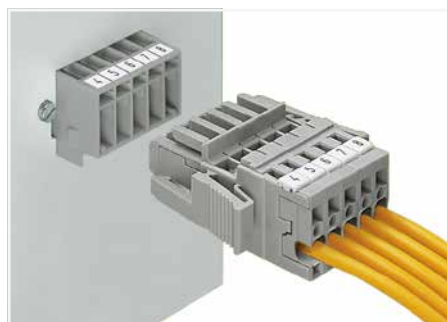
Locking/releasing a lever.



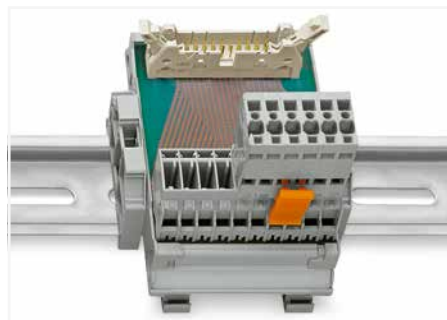
Commoning a 1-conductor female plug via miniature adjacent jumpers.



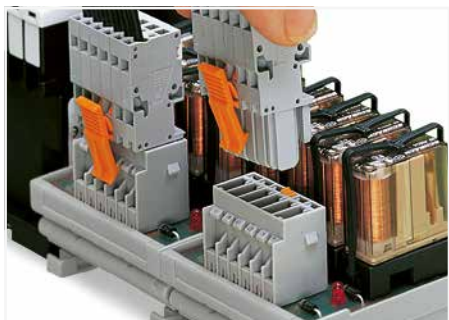
Note: Female plugs used according to the regulations must not be connected/disconnected when live or under load.



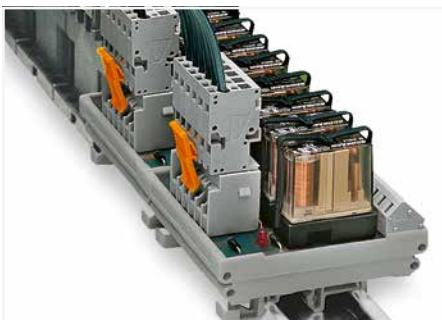
Male header and 1-conductor female plug; with lateral locking levers



Male header; with solder pins for PCBs



Pluggable PCB connection
Connection to a relay module inside the control cabinet



Male header; with straight solder pins and 1-conductor female plug (picture shows a relay module)



Male header; with solder pins
Integrating PCB components into the system wiring.



fine-stranded,
tip-bonded



fine-stranded,
with ferrule
(gastight crimped)



fine-stranded,
with pin terminal
(gastight crimped)

Male Connector X-COM®-SYSTEM; with CAGE CLAMP® Connection; 5 mm Pin Spacing 4 mm²; 769 Series

Technical Data

Pin spacing: 5 mm / 0.197 inch

0.08 ... 4 mm²

28 ... 12 AWG

500 V / 6 kV / 3 ①

300 V, 20 A ②

I_N 32 A ②

300 V, 20 A ③

8 ... 9 mm / 0.31 ... 0.35 inch



Technical Data

Pin spacing: 5 mm / 0.197 inch

0.08 ... 4 mm²

28 ... 12 AWG

500 V / 6 kV / 3 ①

300 V, 20 A ②

I_N 32 A ②

300 V, 20 A ③

8 ... 9 mm / 0.31 ... 0.35 inch



Technical Data

Pin spacing: 5 mm / 0.197 inch

0.08 ... 4 mm²

28 ... 12 AWG

500 V / 6 kV / 3 ①

300 V, 20 A ②

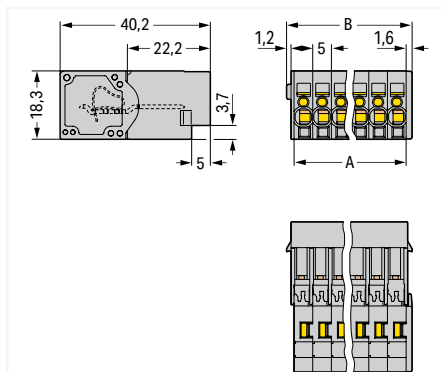
I_N 32 A ②

300 V, 20 A ③

8 ... 9 mm / 0.31 ... 0.35 inch



Dimensions (in mm)

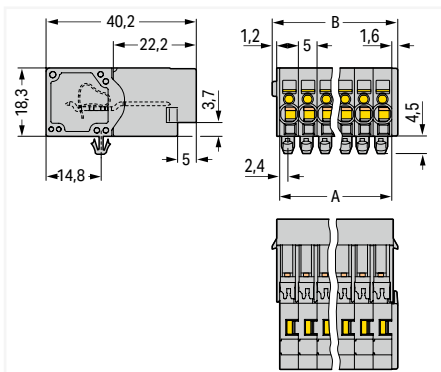


$B = A + 3.6 \text{ mm}$
A = pole no. x pin spacing

Male connector; with CAGE CLAMP® connection; for flying leads; gray

Pole No.	Item No.	Pack. Unit
2	769-602	100
3	769-603	100
4	769-604	100
5	769-605	50
6	769-606	50
7	769-607	25
8	769-608	25
9	769-609	25
10	769-610	25
11	769-611	25
12	769-612	25
13	769-613	25
14	769-614	15
15	769-615	10

Dimensions (in mm)



$B = A + 3.6 \text{ mm}$
A = pole no. x pin spacing

Male connector; with CAGE CLAMP® connection and snap-in mounting feet; for 0.6 ... 1.2 mm plate thickness; 3.5 mm Ø mounting holes; with mounting adapter (209-137) for DIN-35 rail; gray

Pole No.	Item No.	Pack. Unit
2	769-602/001-000	100
3	769-603/001-000	100
4	769-604/001-000	50
5	769-605/001-000	50
6	769-606/001-000	50
7	769-607/001-000	25
8	769-608/001-000	25
9	769-609/001-000	25
10	769-610/001-000	25
11	769-611/001-000	25
12	769-612/001-000	25
13	769-613/001-000	15
14	769-614/001-000	15
15	769-615/001-000	20

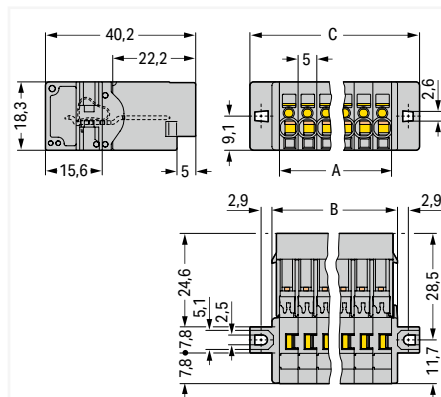
Accessories; item-specific

Mounting adapter; for DIN-35 rail; can be used as end plate; 6.5 mm wide



gray 209-137 25

Dimensions (in mm)



$C = A + 15.4 \text{ mm}$
 $B = A + 3.6 \text{ mm}$
A = pole no. x pin spacing

Male connector; with CAGE CLAMP® connection and mounting flanges; for screw or similar mounting types; for vertical or horizontal mounting; gray

Pole No.	Item No.	Pack. Unit
2	769-602/002-000	100
3	769-603/002-000	50
4	769-604/002-000	50
5	769-605/002-000	50
6	769-606/002-000	50
7	769-607/002-000	25
8	769-608/002-000	25
9	769-609/002-000	25
10	769-610/002-000	25
11	769-611/002-000	25
12	769-612/002-000	25
13	769-613/002-000	15
14	769-614/002-000	10
15	769-615/002-000	20

Accessories; item-specific

Mounting screw (M2.5 x 16) and hexagon nut (M2.5)



769-499 100 (25)

Technical Data

Pin spacing: 5 mm / 0.197 inch

0.08 ... 4 mm² | 28 ... 12 AWG

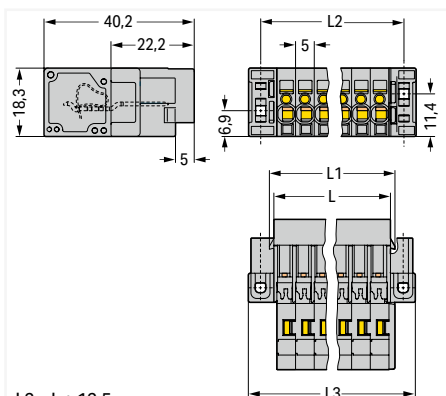
500 V / 6 kV / 3 ① | 300 V, 20 A ②

I_N 32 A ② | 300 V, 20 A ③

8 ... 9 mm / 0.31 ... 0.35 inch



Dimensions (in mm)



L3 = L + 13.5 mm
 L2 = L + 7 mm
 L1 = L + 2.4 mm
 L = (pole no. - 1) x pin spacing + 6.2 mm

Male connector; with CAGE CLAMP® connection and feedthrough flanges; for screw or similar mounting types; for vertical or horizontal mounting; gray

Pole No.	Item No.	Pack. Unit
2	769-602/004-000	100
3	769-603/004-000	50
4	769-604/004-000	25
5	769-605/004-000	25
6	769-606/004-000	25
7	769-607/004-000	25
8	769-608/004-000	25
9	769-609/004-000	25
10	769-610/004-000	25
11	769-611/004-000	25
12	769-612/004-000	15
13	769-613/004-000	15
14	769-614/004-000	10
15	769-615/004-000	10

- ① 500 V = rated voltage
 6 kV = rated impulse voltage
 3 = pollution degree
 (see Section 15)

- ② Current-carrying capacity curve on page 456 and upon request

Approvals and corresponding ratings, visit www.wago.com

Accessories; for male connectors

Appropriate marking systems:
 Mini-WSB/Mini-WSB Inline

1-conductor female plug; straight

	gray	769-102	100
--	------	---------	-----

1-conductor female plug; with lateral locking levers

	gray	769-102/021-000	50
--	------	-----------------	----

2-conductor female plug

	gray	769-122	50
--	------	---------	----

Coding pin; for coding female plugs

	orange	769-435	100 (25)
--	--------	---------	----------

Operating tool; for female plugs and male connectors with CAGE CLAMP® connection

		210-490	1
--	--	---------	---

Operating lever; loose; for male and female connectors with CAGE CLAMP® connection

		769-434	2000 (100)
--	--	---------	------------

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

	white	2009-145	1
--	-------	----------	---

Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

	plain	248-501	5
--	-------	---------	---



Male connector; with CAGE CLAMP® connection
 1-conductor female plug; straight



Labeling a male connector with CAGE CLAMP® connection via Mini-WSB Quick Markers.

CAGE CLAMP®

Male Connector X-COM®-SYSTEM; with CAGE CLAMP® Connection and Snap-In Flanges; 5 mm Pin Spacing

4 mm²; 769 Series

Technical Data

Pin spacing: 5 mm / 0.197 inch

0.08 ... 4 mm²

28 ... 12 AWG

500 V / 6 kV / 3 ①

300 V, 20 A ②

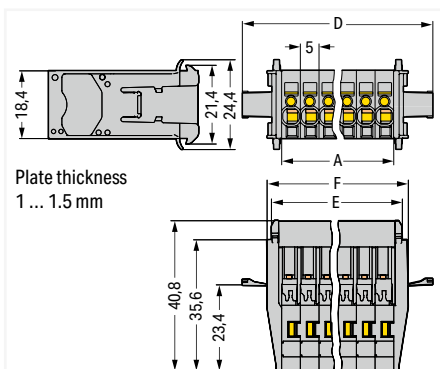
I_N 32 A ②

300 V, 20 A ②

8 ... 9 mm / 0.31 ... 0.35 inch



Dimensions (in mm)



F = A + 8.1 mm
 E = A + 4.9 mm
 D = A + 21.3 mm
 A = pole no. x pin spacing

Male connector; with CAGE CLAMP® connection and snap-in flanges; for flying leads; gray

Pole No.	Item No.	Pack. Unit
2	769-602/005-000	50
3	769-603/005-000	25
4	769-604/005-000	25
5	769-605/005-000	25
6	769-606/005-000	25
7	769-607/005-000	25
8	769-608/005-000	20
9	769-609/005-000	20
10	769-610/005-000	20
11	769-611/005-000	15
12	769-612/005-000	15
13	769-613/005-000	15
14	769-614/005-000	10
15	769-615/005-000	10

- ① 500 V = rated voltage
 6 kV = rated impulse voltage
 3 = pollution degree
 (see Section 15)

- ② Current-carrying capacity curves upon request

Approvals and corresponding ratings,
 visit www.wago.com

Accessories; for male connectors

Appropriate marking systems:
 Mini-WSB/Mini-WSB Inline

1-connector female plug; straight

	gray	769-102	100
--	------	---------	-----

1-conductor female plug; with lateral locking levers

	gray	769-102/021-000	50
--	------	-----------------	----

2-conductor female plug

	gray	769-122	50
--	------	---------	----

Coding pin; for coding female plugs

	orange	769-435	100 (25)
--	--------	---------	----------

Operating tool; for female plugs and male connectors with CAGE CLAMP® connection

		210-490	1
--	--	---------	---

Operating lever; loose; for male and female connectors with CAGE CLAMP® connection

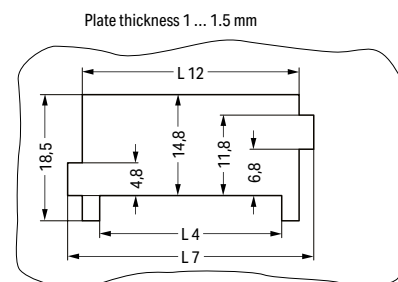
		769-434	2000 (100)
--	--	---------	------------

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

	white	2009-145	1
--	-------	----------	---

Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

	plain	248-501	5
--	-------	---------	---



L12 = pole no. x pin spacing + 6.8 mm

L4 = pole no. x pin spacing + 1.7 mm

L7 = L4 + 9.4 mm

Cutout

Male connector with CAGE CLAMP® connection
 (769-6xx/005-000) and snap-in flanges



Insert a male connector with snap-in flanges
 (769-604/005-000) into the cutout.



Male connector; with snap-in flanges
 Tool-free assembly



Male connector; with snap-in flanges
 Tool-free assembly

Male Connector X-COM®-SYSTEM; with CAGE CLAMP® Connection and Snap-In Flanges; 5 mm Pin Spacing

4 mm²; 769 Series

Technical Data

Pin spacing: 5 mm / 0.197 inch

0.08 ... 4 mm²

28 ... 12 AWG

500 V / 6 kV / 3 ①

300 V, 20 A ②

I_N 32 A ②

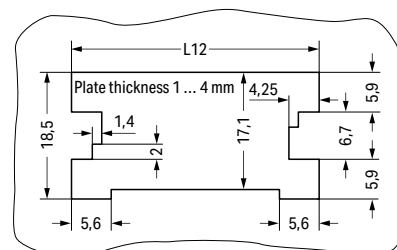
300 V, 20 A ②

8 ... 9 mm / 0.31 ... 0.35 inch

- ① 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

- ② Current-carrying capacity curves upon request

Approvals and corresponding ratings,
visit www.wago.com

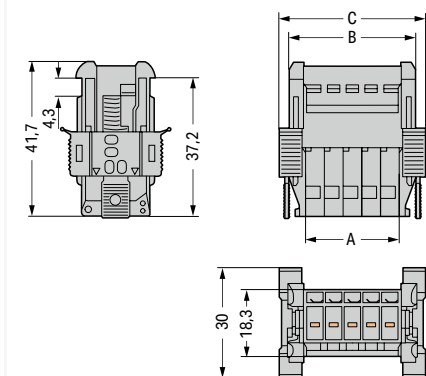


$$L12 = \text{pole no.} \times \text{pin spacing} + 10.2 \text{ mm}$$

Sheet metal cutout (for female connectors without locking levers)

Male connector with CAGE CLAMP® connection
(769-6xx/006-000) and snap-in flanges

Dimensions (in mm)



$$C = A + 14.3 \text{ mm}$$

$$B = A + 9.3 \text{ mm}$$

$$A = \text{pole no.} \times \text{pin spacing}$$

Male connector; with CAGE CLAMP® connection and snap-in flanges; for flying leads; gray

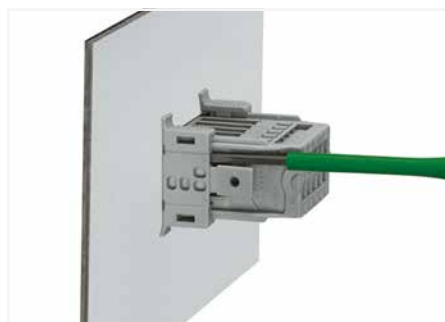
Pole No.	Item No.	Pack. Unit
2	769-602/006-000	50
3	769-603/006-000	25
4	769-604/006-000	25
5	769-605/006-000	25
6	769-606/006-000	25
7	769-607/006-000	25
8	769-608/006-000	20
9	769-609/006-000	20
10	769-610/006-000	20
11	769-611/006-000	15
12	769-612/006-000	15
13	769-613/006-000	15
14	769-614/006-000	10
15	769-615/006-000	10



Insert a male connector with snap-in flanges
(769-605/006-000) into the cutout.



Secure the snap-in flange.



For removal, insert operating tool (2.5 mm blade) into release slot.



Press center part on both the top and bottom of the connector. Then remove snap-in flange.

Male Header X-COM®-SYSTEM; with Solder Pins; 5 mm Pin Spacing 769 Series

Technical Data

Pin spacing: 5 mm / 0.197 inch

250 V / 4 kV / 3 ①

300 V, 20 A ②

500 V / 4 kV / 2 ①

300 V, 20 A ②

I_N 32 A ②

Technical Data

Pin spacing: 5 mm / 0.197 inch

250 V / 4 kV / 3 ①

300 V, 20 A ②

500 V / 4 kV / 2 ①

300 V, 20 A ②

I_N 32 A ②

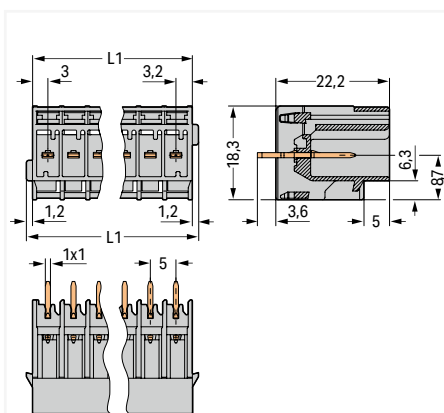
- ① 250 V / 500 V = rated voltage
4 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

- ② Current-carrying capacity curve on page 457 and upon request

Approvals and corresponding ratings,
visit www.wago.com



Dimensions (in mm)



$$L1 = L + 2.4 \text{ mm}$$

$$L = (\text{pole no.} - 1) \times \text{pin spacing} + 6.2 \text{ mm}$$

Male header; with straight solder pins; 1 x 1 mm; Vertical mating direction to the PCB; gray

Pole No.	Item No.	Pack. Unit
2	769-632	200
3	769-633	100
4	769-634	50
5	769-635	50
6	769-636	50
7	769-637	50
8	769-638	25
9	769-639	25
10	769-640	25
11	769-641	25
12	769-642	25
13	769-643	25
14	769-644	25
15	769-645	25

Male header; with preceding contact; with straight solder pins; 1 x 1 mm; Vertical mating direction to the PCB; gray

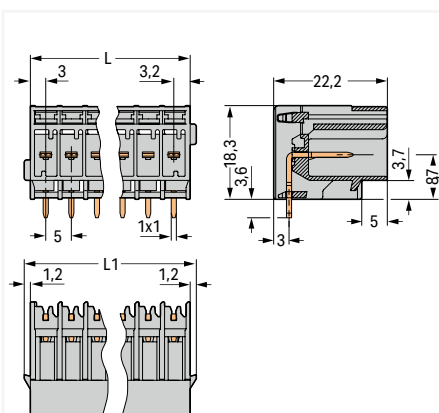
Pole No.	Item No.	Pack. Unit
2	769-632/000-036	200
3	769-633/000-036	100
4	769-634/000-036	50
5	769-635/000-036	50

Accessories; for male connectors

1-conductor female plug; straight

Item No.	Pack. Unit
769-102	100

Dimensions (in mm)

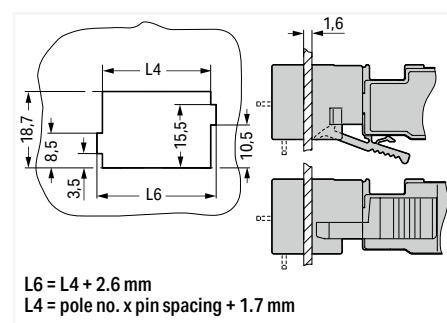


$$L1 = L + 2.4 \text{ mm}$$

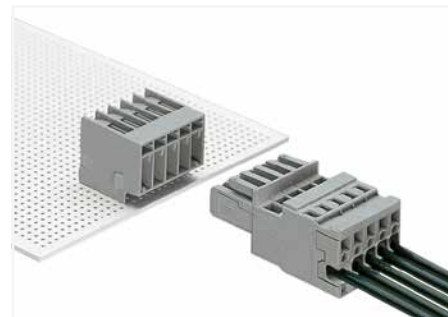
$$L = (\text{pole no.} - 1) \times \text{pin spacing} + 6.2 \text{ mm}$$

Male header; with angled solder pins; 1 x 1 mm; Horizontal mating direction to the PCB; gray

Pole No.	Item No.	Pack. Unit
2	769-662	200
3	769-663	100
4	769-664	50
5	769-665	50
6	769-666	50
7	769-667	50
8	769-668	25
9	769-669	25
10	769-670	25
11	769-671	25
12	769-672	25
13	769-673	25
14	769-674	25
15	769-675	25



Cutout
Male header; with solder pins



Male header; with angled solder pins

Male Header X-COM®-SYSTEM; with Solder Pins and Mounting Flanges; 5 mm Pin Spacing 769 Series

Technical Data

Pin spacing: 5 mm / 0.197 inch

250 V / 4 kV / 3 ① 300 V, 20 A ②

500 V / 4 kV / 2 ① 300 V, 20 A ②

I_N 32 A ②

Technical Data

Pin spacing: 5 mm / 0.197 inch

250 V / 4 kV / 3 ① 300 V, 20 A ②

500 V / 4 kV / 2 ① 300 V, 20 A ②

I_N 32 A ②

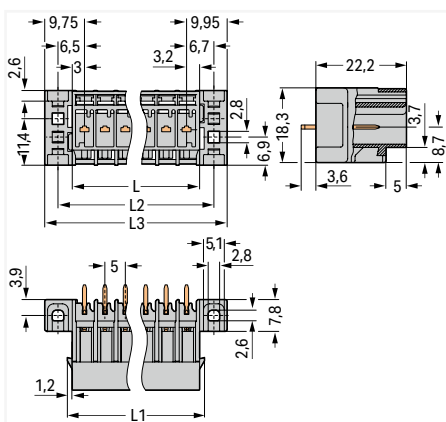
- ① 250 V / 500 V = rated voltage
4 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

- ② Current-carrying capacity curve on page 457 and upon request

Approvals and corresponding ratings,
visit www.wago.com

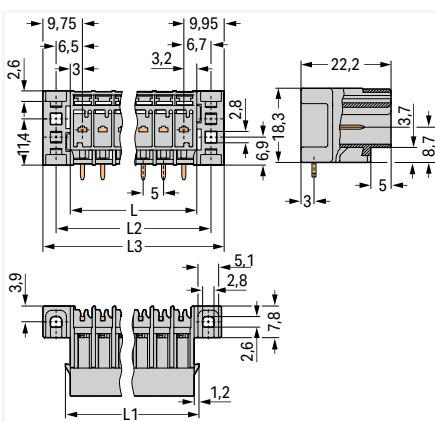


Dimensions (in mm)



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

Dimensions (in mm)



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

Male header; with straight solder pins and mounting flanges; 1 x 1 mm; Vertical mating direction to the PCB; gray

Pole No.	Item No.	Pack. Unit
2	769-632/003-000	200
3	769-633/003-000	100
4	769-634/003-000	50
5	769-635/003-000	50
6	769-636/003-000	25
7	769-637/003-000	25
8	769-638/003-000	25
9	769-639/003-000	25
10	769-640/003-000	25
11	769-641/003-000	25
12	769-642/003-000	25
13	769-643/003-000	15
14	769-644/003-000	15
15	769-645/003-000	15

Male header; with preceding contact; with straight solder pins and mounting flanges; 1 x 1 mm; Vertical mating direction to the PCB; gray

Pole No.	Item No.	Pack. Unit
2	769-632/003-036	200
3	769-633/003-036	100
4	769-634/003-036	50
5	769-635/003-036	50
6	769-636/003-036	25

Accessories; for male connectors

1-conductor female plug; straight



gray

769-102

100

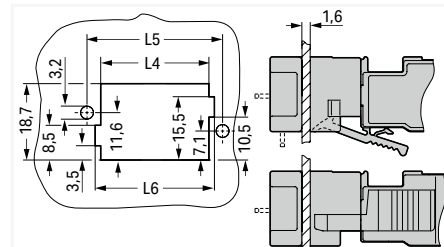
1-conductor female plug; with lateral locking levers



gray

769-102/021-000

50



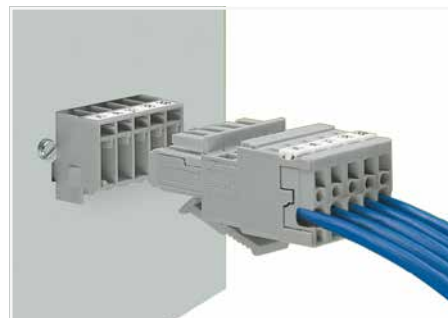
L6 = L4 + 2.6 mm
L5 = L5 + 6.6 mm
L4 = pole no. x pin spacing + 1.7 mm

Cutout

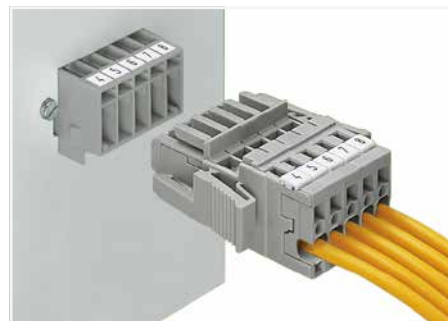
Male header; with solder pins and mounting flanges



Male header; with preceding contact; with straight solder pins and mounting flanges



Male header with mounting flanges
1-conductor female plug with bottom-mount locking levers



Male header and 1-conductor female plug with lateral locking levers

Male Header X-COM®-SYSTEM; with Solder Pins and Feedthrough Flanges; 5 mm Pin Spacing 769 Series

Technical Data

Pin spacing: 5 mm / 0.197 inch

250 V / 4 kV / 3 ①

300 V, 20 A ②

500 V / 4 kV / 2 ①

300 V, 20 A ②

I_N 32 A ②

Technical Data

Pin spacing: 5 mm / 0.197 inch

250 V / 4 kV / 3 ①

300 V, 20 A ②

500 V / 4 kV / 2 ①

300 V, 20 A ②

I_N 32 A ②

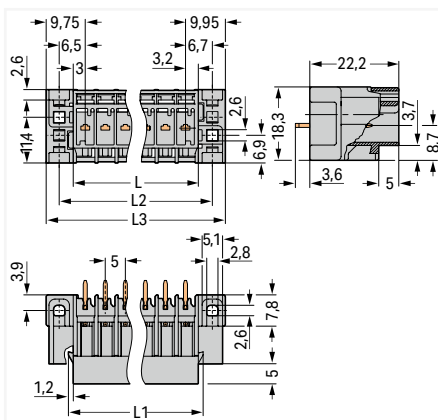
- ① 250 V / 500 V = rated voltage
4 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

- ② Current-carrying capacity curve on page 457 and upon request

Approvals and corresponding ratings, visit www.wago.com

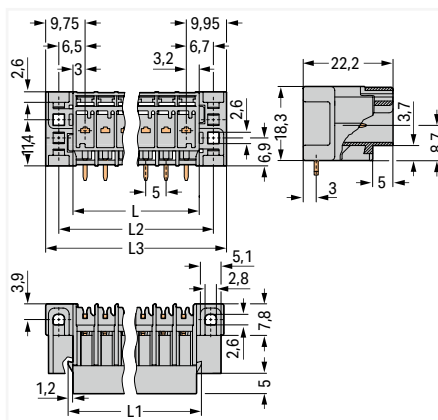


Dimensions (in mm)



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

Dimensions (in mm)



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

Male header; with straight solder pins and feedthrough flanges; 1 x 1 mm; Vertical mating direction to the PCB; gray

Pole No.	Item No.	Pack. Unit
2	769-632/004-000	200
3	769-633/004-000	50
4	769-634/004-000	50
5	769-635/004-000	50
6	769-636/004-000	50
7	769-637/004-000	25
8	769-638/004-000	25
9	769-639/004-000	25
10	769-640/004-000	25
11	769-641/004-000	25
12	769-642/004-000	25
13	769-643/004-000	15
14	769-644/004-000	15
15	769-645/004-000	15

Male header; with angled solder pins and feedthrough flanges; 1 x 1 mm; Horizontal mating direction to the PCB; gray

Pole No.	Item No.	Pack. Unit
2	769-662/004-000	200
3	769-663/004-000	100
4	769-664/004-000	50
5	769-665/004-000	50
6	769-666/004-000	50
7	769-667/004-000	50
8	769-668/004-000	25
9	769-669/004-000	25
10	769-670/004-000	25
11	769-671/004-000	25
12	769-672/004-000	25
13	769-673/004-000	25
14	769-674/004-000	15
15	769-675/004-000	15

Accessories; for male connectors

1-conductor female plug; straight

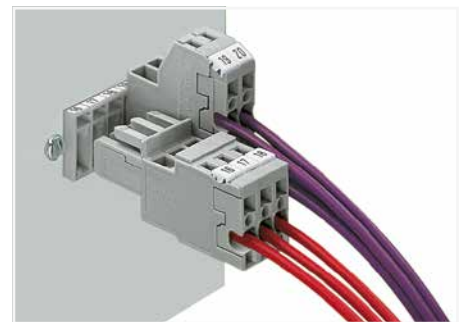
	gray	769-102	100
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1-conductor female plug; with lateral locking levers

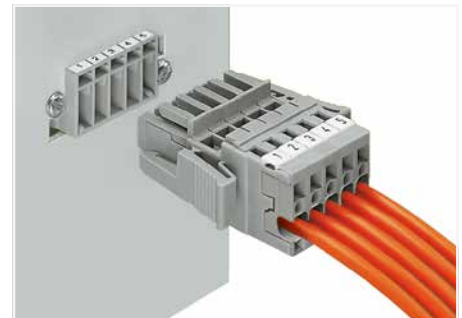
	gray	769-102/021-000	50
---	------	-----------------	----

Coding pin; for coding female plugs

	orange	769-435	100 (25)
--	--------	---------	----------

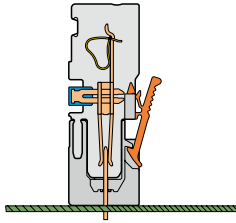


Male header; with feedthrough flanges
1-conductor female plug
2-conductor female plug

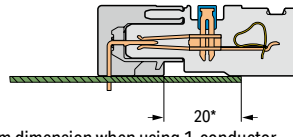
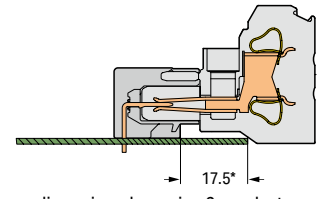
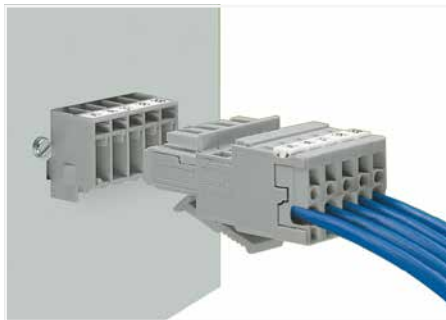
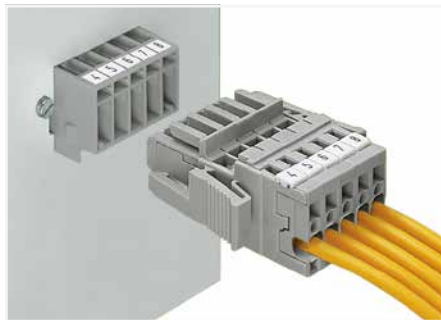
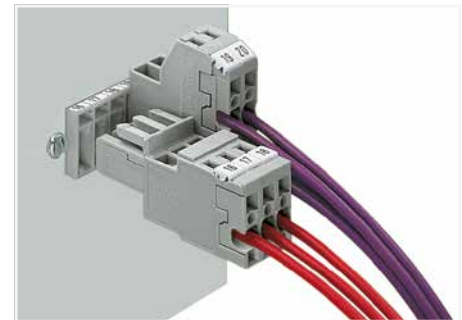


Male header and 1-conductor female plug with lateral locking levers

Male Headers X-COM®-SYSTEM; with Solder Pins; with 1-/2-Conductor Female Plugs Assembly Types



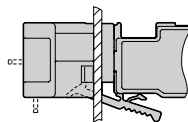
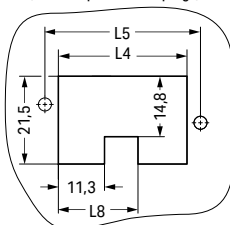
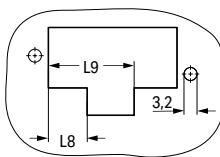
Male header; with straight solder pins

* Maximum dimension when using 1-conductor female plugs
Male header; with angled solder pins* Maximum dimension when using 2-conductor female plugs
Male header; with angled solder pinsMale header; with mounting flanges
1-conductor female plug; with bottom-mount locking leversMale header; with mounting flanges
1-conductor female plug; with lateral locking leversMale header; with feedthrough flanges
1-conductor female plug
2-conductor female plug

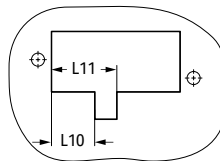
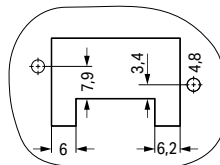
7

Cutouts for headers with fixing flanges for feedthrough applications and locking levers

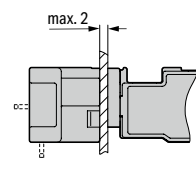
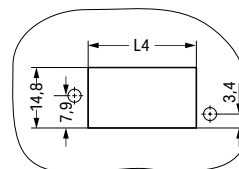
Female plugs with bottom-mounted locking levers

Cutouts for
2-pole locking levers
(2- to 15-pole female plugs)Layout for
locking levers
outer ...

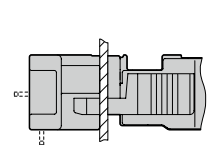
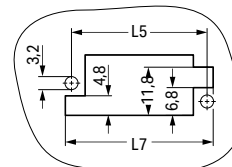
... inner

Cutouts for
single pole locking levers

Female plug without locking levers



Female plug with lateral locking levers



L 4 = pole no. x pin spacing + 1.7 mm

L 5 = L 4 + 6.6 mm

L 7 = L 4 + 9.4 mm

L 8 = pole no. LL x pin spacing - 0.3 mm

L 9 = L 8 + 11.6 mm

L 10 = pole no. LL x pin spacing + 0.6 mm

L 11 = L 10 + 5.4 mm

Pole no. LL: Number of poles ahead of the poles
attached to the locking lever

LL = locking lever

Male Header X-COM®-SYSTEM; with Solder Pins and Rivet Mounting Flanges; 5 mm Pin Spacing 769 Series

Technical Data

Pin spacing: 5 mm / 0.197 inch

250 V / 4 kV / 3 ①

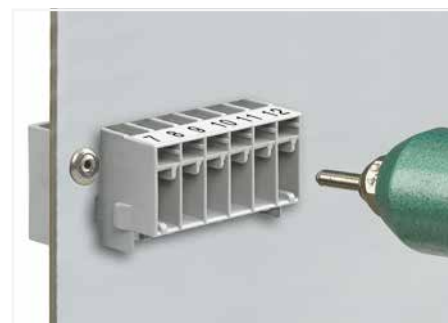
500 V / 4 kV / 2 ①

I_N 32 A ②

- ① 250 V / 500 V = rated voltage
4 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

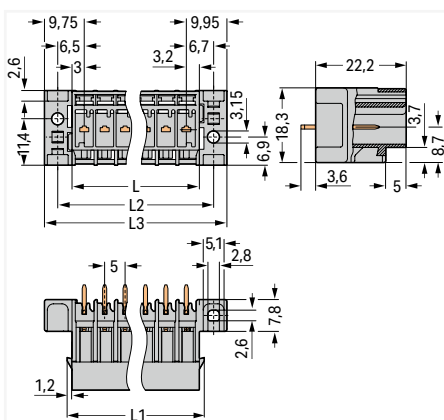
- ② Current-carrying capacity curves upon request

Approvals and corresponding ratings,
visit www.wago.com



Mounting with 3 mm Ø blind rivets

Dimensions (in mm)



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

Male header; with straight solder pins and rivet mounting flanges; 1 x 1 mm; Vertical mating direction to the PCB; gray

Pole No.	Item No.	Pack. Unit
2	769-632/007-000	200
3	769-633/007-000	50
4	769-634/007-000	50
5	769-635/007-000	50
6	769-636/007-000	50
7	769-637/007-000	25
8	769-638/007-000	25
9	769-639/007-000	25
10	769-640/007-000	25
11	769-641/007-000	25
12	769-642/007-000	25
13	769-643/007-000	15
14	769-644/007-000	15
15	769-645/007-000	15

Accessories; for male connectors

1-conductor female plug; straight

	gray	769-102	100
---	------	---------	-----

1-conductor female plug; with lateral locking levers

	gray	769-102/021-000	50
---	------	-----------------	----

Coding pin; for coding female plugs

	orange	769-435	100 (25)
--	--------	---------	----------

1-Conductor Female Plug X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm² 28 ... 12 AWG

500 V / 6 kV / 3 ① 300 V, 20 A ②

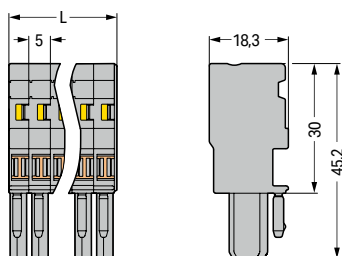
I_N 32 A ② 300 V, 20 A ③

Module width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch



Dimensions (in mm)



L = pole no. x module width

1-conductor female plug; straight; fits into carrier terminal blocks or male connectors; with coding fingers; can be commoned with miniature adjacent jumpers; gray

Pole No.	Item No.	Pack. Unit
1	769-101	200
2	769-102	100
3	769-103	50
4	769-104	50
5	769-105	50
6	769-106	25
7	769-107	25
8	769-108	25
9	769-109	25
10	769-110	25
11	769-111	20
12	769-112	20
13	769-113	10
14	769-114	10
15	769-115	10

1-conductor female plug; straight; fits into carrier terminal blocks or male connectors; with coding fingers; can be commoned with miniature adjacent jumpers

1 blue	769-101/000-006	200
1 green-yellow	769-101/000-016	200

- 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

- Current-carrying capacity curve from page 453 and upon request

Item no. suffixes
blue .../000-006

Snap-on type strain relief housing, see page 452

Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

Accessories; for female plugs

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N 24 A

gray	769-402	100 (25)
------	---------	----------

Jumper cover; for 1-conductor female plugs; for 5 poles

gray	769-436	100 (25)
------	---------	----------

Operating lever; loose; for male and female connectors with CAGE CLAMP® connection

	769-434	2000 (100)
--	---------	------------

Locking Lever; for 1-pole female plugs

gray	769-428	100 (25)
orange	769-429	100 (25)

Locking lever; for female plugs with 2 poles and more

gray	769-431	100 (25)
orange	769-430	100 (25)

Strain relief plate; gray

1-pole	769-410	100 (25)
2- ... 3-pole	769-411	100 (25)
4- ... 5-pole	769-412	100 (25)

Strain relief plate; gray

6- ... 9-pole	769-413	100 (25)
10- ... 15-pole	769-414	100 (25)

Accessories; for female plugs

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Snap-on type strain relief housing; consists of strain relief support and housing

5-pole	769-1605	25
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Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
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1-pole female plug

Application examples:

- Phase selection in three-phase network
- Test plug with rated current capability
- Simplified circuit expansion – addition of base circuits requires only female plugs to be plugged in



Jumper cover for 1-conductor female plugs

1-Conductor Female Plug X-COM®-SYSTEM; with Lateral Locking Levers

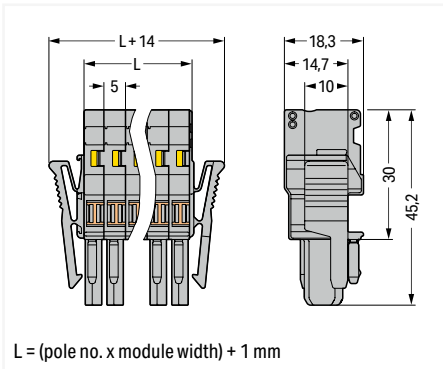
4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
500 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 32 A ②	300 V, 20 A ②
Module width: 5 mm / 0.197 inch	
8 ... 9 mm / 0.31 ... 0.35 inch	



Dimensions (in mm)



1-conductor female plug; with lateral locking levers; only compatible with male connectors; codable; can be commoned with miniature adjacent jumpers; gray

Pole No.	Item No.	Pack. Unit
2	769-102/021-000	200
3	769-103/021-000	50
4	769-104/021-000	50
5	769-105/021-000	50
6	769-106/021-000	50
7	769-107/021-000	25
8	769-108/021-000	25
9	769-109/021-000	25
10	769-110/021-000	25
11	769-111/021-000	25
12	769-112/021-000	25
13	769-113/021-000	15
14	769-114/021-000	15
15	769-115/021-000	15

- 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)
- Current-carrying capacity curve from page 455 and upon request

Snap-on type strain relief housing, see page 452

Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

Accessories; for female plugs

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
--------	---------	----------

Adjacent jumper; insulated; I_N 24 A

gray	769-402	100 (25)
------	---------	----------

Jumper cover; for 1-conductor female plugs; for 5 poles

gray	769-436	100 (25)
------	---------	----------

Operating lever; loose; for male and female connectors with CAGE CLAMP® connection

	769-434	2000 (100)
--	---------	------------

Strain relief plate; gray

2- ... 3-pole	769-411	100 (25)
4- ... 5-pole	769-412	100 (25)

Strain relief plate; gray

6- ... 9-pole	769-413	100 (25)
10- ... 15-pole	769-414	100 (25)

Snap-on type strain relief housing; consists of strain relief support and housing

5-pole	769-1605	25
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Accessories; for female plugs

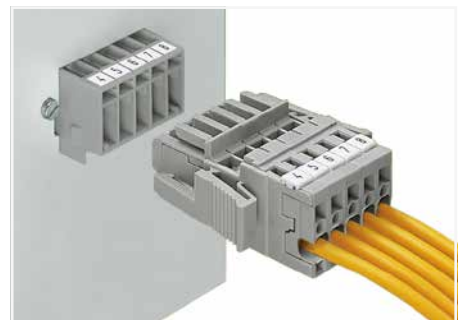
Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

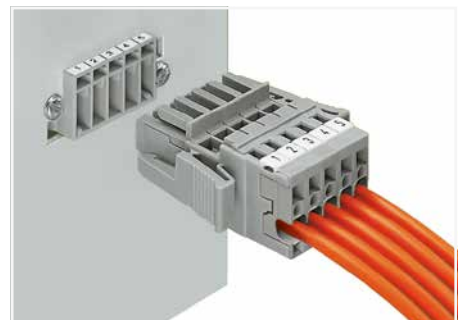
white	2009-145	1
-------	----------	---

Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
-------	---------	---



Male header; with mounting flanges
1-conductor female plug with lateral locking levers



Male header and 1-conductor female plug with lateral locking levers

2-Conductor Female Plug X-COM®-SYSTEM

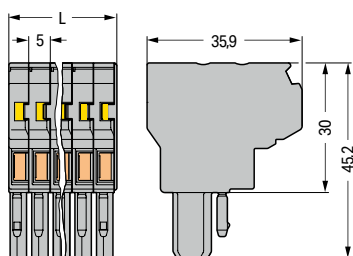
4 mm²; 769 Series

Technical Data

0.08 ... 4 mm ²	28 ... 12 AWG
500 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 32 A ②	300 V, 20 A ②
Module width: 5 mm / 0.197 inch	
8 ... 9 mm / 0.31 ... 0.35 inch	



Dimensions (in mm)



L = pole no. x module width

2-conductor female plug; fits into carrier terminal blocks or male connectors; codable; can be commoned with adjacent and staggered jumpers; gray

Pole No.	Item No.	Pack. Unit
1	769-121	100
2	769-122	50
3	769-123	25
4	769-124	25
5	769-125	20
6	769-126	10
7	769-127	10
8	769-128	10
9	769-129	10
10	769-130	10
11	769-131	5
12	769-132	5
13	769-133	5
14	769-134	5
15	769-135	5

2-conductor female plug; fits into carrier terminal blocks or male connectors; codable; can be commoned with adjacent and staggered jumpers

1 green-yellow	769-121/000-016	100
----------------	-----------------	-----

- 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)
- Current-carrying capacity curves upon request

Please observe the application notes:
Jumpers, from page 426

Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings,
visit www.wago.com

Accessories; for female plugs

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------



Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------



Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------



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

yellow	280-415	100 (25)
--------	---------	----------



Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------



Staggered jumper; insulated; 5 mm wide; I_N 24 A

1 to 2	780-452	100 (25)
1 to 3	780-453	100 (25)
1 to 4	780-454	100 (25)
1 to 5	780-455	50 (25)
1 to 6	780-456	50 (25)
1 to 7	780-457	50 (25)
1 to 8	780-458	50 (25)

Locking Lever; for 1-pole female plugs

gray	769-428	100 (25)
orange	769-429	100 (25)



Locking lever; for female plugs with 2 poles and more

gray	769-431	100 (25)
orange	769-430	100 (25)



Strain relief plate; gray

1-pole	769-410	100 (25)
2- ... 3-pole	769-411	100 (25)
4- ... 5-pole	769-412	100 (25)



Strain relief plate; gray

6- ... 9-pole	769-413	100 (25)
10- ... 15-pole	769-414	100 (25)



Accessories; for female plugs

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

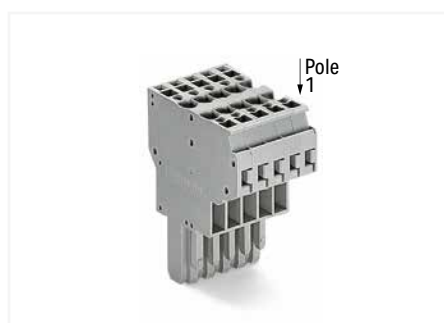
Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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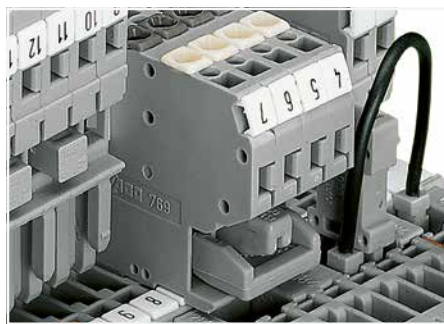
Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
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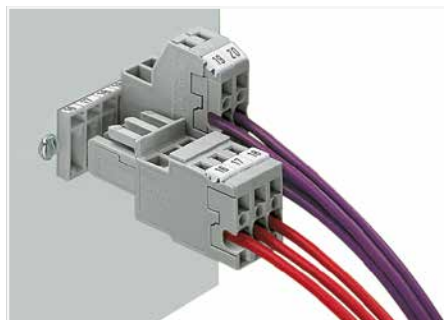
2-conductor female plugs:

- Common signals from one subassembly to the other (bus structure)
- Can be used as a T-wire branch tap connection (e.g. for lighting wiring)
- Enable a higher number of connection possibilities



Commoning options of female plugs:

- After removal, commoned potentials still remain commoned
- Use of plug-in jumpers instead of additional wired jumpers
- Can be used as a "hardware" key for safety lockout
- Can also be used as a commoning jumper for sensor circuits or machine programming



Male header; with feedthrough flanges
1-conductor female plug
2-conductor female plug

1-Conductor Female Plug X-COM®-SYSTEM; Angled 4 mm²; 769 Series

Technical Data

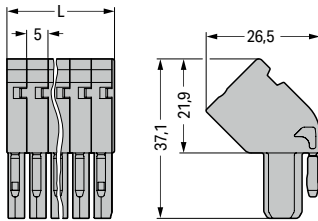
0.08 ... 4 mm ²	28 ... 12 AWG
500 V / 6 kV / 3 ①	300 V, 20 A ②
I _N 32 A ②	300 V, 20 A ②

Module width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch



Dimensions (in mm)



L = pole no. x module width

1-conductor female plug; angled; fits into carrier terminal blocks; codable; gray

Pole No.	Item No.	Pack. Unit
1	769-101/022-000	200
2	769-102/022-000	100
3	769-103/022-000	50
4	769-104/022-000	50
5	769-105/022-000	50
6	769-106/022-000	25
7	769-107/022-000	25
8	769-108/022-000	25
9	769-109/022-000	25
10	769-110/022-000	25
11	769-111/022-000	20
12	769-112/022-000	20
13	769-113/022-000	10
14	769-114/022-000	10
15	769-115/022-000	10

1-conductor female plug; angled; fits into carrier terminal blocks; codable

1 green-yellow	769-101/022-016	200
----------------	-----------------	-----

- 500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

- Current-carrying capacity curves upon request

Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

Accessories; for female plugs

Appropriate marking systems:
Mini-WSB/Mini-WSB InlineInsulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

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

yellow	280-415	100 (25)
--------	---------	----------

Operating lever; loose; for male and female connectors with CAGE CLAMP® connection

	769-434	2000 (100)
--	---------	------------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
-----	---------	----

Strain relief plate; gray

1-pole	769-410	100 (25)
2- ... 3-pole	769-411	100 (25)
4- ... 5-pole	769-412	100 (25)

Strain relief plate; gray

6- ... 9-pole	769-413	100 (25)
10- ... 15-pole	769-414	100 (25)

Snap-on type strain relief housing; consists of strain relief support and housing

5-pole	769-1605	25
--------	----------	----

Accessories; for female plugs

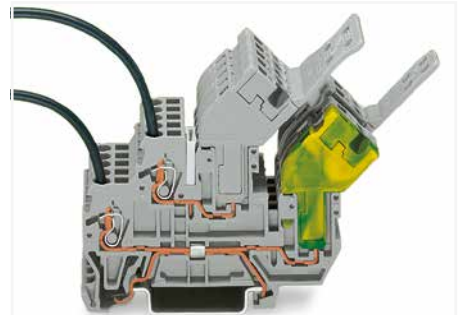
Appropriate marking systems:
Mini-WSB/Mini-WSB Inline

Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white	2009-145	1
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Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain	248-501	5
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Angled female plugs provide reduced installation height.

1-conductor/1-pin double-deck carrier terminal block
1-conductor female plug, angled*
*1-conductor straight female plug is also possible!

Female Plug for Self-Assembly X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm² | 28 ... 12 AWG

500 V / 6 kV / 3 ①

I_N 32 A ②

Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

0.08 ... 4 mm² | 28 ... 12 AWG

500 V / 6 kV / 3 ①

I_N 32 A ②

Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch

Technical Data

0.08 ... 4 mm² | 28 ... 12 AWG

500 V / 6 kV / 3 ①

I_N 32 A ②

Terminal block width: 5 mm / 0.197 inch

 8 ... 9 mm / 0.31 ... 0.35 inch

1-conductor end module; codable; can be commoned with miniature adjacent jumpers

Color	Item No.	Pack. Unit
gray	769-503	250
blue	769-503/000-006	250
green-yellow	769-503/000-016	250

2-conductor end module; codable; can be commoned with adjacent and staggered jumpers

Color	Item No.	Pack. Unit
gray	769-506	250
blue	769-506/000-006	250
green-yellow	769-506/000-016	250

1-conductor end module; angled; codable

Color	Item No.	Pack. Unit
gray	769-515	250
blue	769-515/000-006	250
green-yellow	769-515/000-016	250

1-conductor center module; codable; can be commoned with miniature adjacent jumpers

gray	769-502	250
blue	769-502/000-006	250
green-yellow	769-502/000-016	250

2-conductor center module; codable; can be commoned with adjacent and staggered jumpers

gray	769-505	250
blue	769-505/000-006	250
green-yellow	769-505/000-016	250

1-conductor center module; angled; codable

gray	769-513	250
blue	769-513/000-006	250
green-yellow	769-513/000-016	250

1-conductor base module; with integrated end plate; codable; can be commoned with miniature adjacent jumpers

gray	769-501	250
blue	769-501/000-006	250
green-yellow	769-501/000-016	250

2-conductor base module; with integrated end plate; codable; can be commoned with adjacent and staggered jumpers

gray	769-504	250
blue	769-504/000-006	250
green-yellow	769-504/000-016	250

1-conductor base module; angled; with integrated end plate; codable

gray	769-512	250
blue	769-512/000-006	250
green-yellow	769-512/000-016	250

Accessories; item-specific

Adjacent jumper; insulated; I_N 24 A

gray	769-402	100 (25)
------	---------	----------

Accessories; item-specific

Adjacent jumper; insulated; I_N = I_N terminal block

gray	280-402	200 (25)
------	---------	----------

Locking Lever; for 1-pole female plugs

gray	769-428	100 (25)
orange	769-429	100 (25)

Locking Lever; for 1-pole female plugs

gray	769-428	100 (25)
orange	769-429	100 (25)

Locking lever; for female plugs with 2 poles and more

gray	769-431	100 (25)
orange	769-430	100 (25)

Locking lever; for female plugs with 2 poles and more

gray	769-431	100 (25)
orange	769-430	100 (25)

Accessories; for female plugs

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	769-470	200 (25)
-------	---------	----------

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

yellow	280-415	100 (25)
--------	---------	----------

Strain relief plate; gray

1-pole	769-410	100 (25)
2- ... 3-pole	769-411	100 (25)
4- ... 5-pole	769-412	100 (25)

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray	769-471	200 (25)
------------	---------	----------

Operating lever; loose; for male and female connectors with CAGE CLAMP® connection

769-434 2000 (100)

Strain relief plate; gray

6- ... 9-pole	769-413	100 (25)
10- ... 15-pole	769-414	100 (25)

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray	769-472	200 (25)
-----------	---------	----------

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red	210-136	50
-----	---------	----

- 1

500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)
- 2

Current-carrying capacity curves upon request
- Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.
- Approvals and corresponding ratings,
visit www.wago.com

Customizing Modular Female Plugs
WAGO's modular X-COM®-SYSTEM female plugs can be customized for applications requiring varying numbers of poles (e.g., when designing prototypes).

- Modules and Pole Numbers**
A customized X-COM®-SYSTEM female plug consists of:
- One base module with an integrated end plate
 - Up to 13 center modules (corresponding to a 15-pole female plug = maximum pole number)
 - One end module

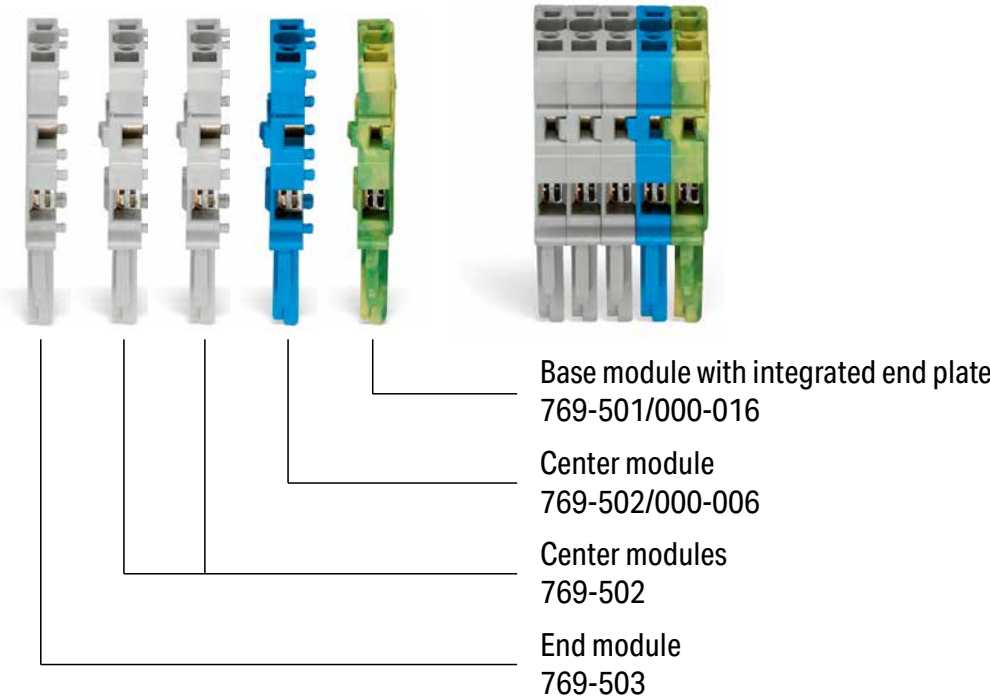
Intended Use
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Assembly
The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking latches.



7

Example: 5-Pole, 1-Conductor Female Plug



Pre-Assembled 1-Conductor Female Plug X-COM®-SYSTEM

4 mm²; 769 Series

Technical Data

0.08 ... 4 mm² | 28 ... 12 AWG

500 V / 6 kV / 3 ①

I_N 32 A ②

Module width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch



Technical Data

0.08 ... 4 mm² | 28 ... 12 AWG

500 V / 6 kV / 3 ①

I_N 32 A ②

Module width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch



Technical Data

0.08 ... 4 mm² | 28 ... 12 AWG

500 V / 6 kV / 3 ①

I_N 32 A ②

Module width: 5 mm / 0.197 inch

8 ... 9 mm / 0.31 ... 0.35 inch



1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks or male connectors; codable; can be commoned with miniature adjacent jumpers

Pole No.	Item No.	Pack. Unit
3	769-103/000-036	25
4	769-104/000-036	25
5	769-105/000-036	20
6	769-106/000-036	10
7	769-107/000-036	10
8	769-108/000-036	10
9	769-109/000-036	10
10	769-110/000-036	10
11	769-111/000-036	5
12	769-112/000-036	5
13	769-113/000-036	5
14	769-114/000-036	5
15	769-115/000-036	5

1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks or male connectors; codable; can be commoned with miniature adjacent jumpers

Pole No.	Item No.	Pack. Unit
3	769-103/000-037	25
4	769-104/000-037	25
5	769-105/000-037	20
6	769-106/000-037	10
7	769-107/000-037	10
8	769-108/000-037	10
9	769-109/000-037	10
10	769-110/000-037	10
11	769-111/000-037	5
12	769-112/000-037	5
13	769-113/000-037	5
14	769-114/000-037	5
15	769-115/000-037	5

1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks or male connectors; codable; can be commoned with miniature adjacent jumpers

Pole No.	Item No.	Pack. Unit
3	769-103/000-038	25
4	769-104/000-038	25
5	769-105/000-038	20
6	769-106/000-038	10
7	769-107/000-038	10
8	769-108/000-038	10
9	769-109/000-038	10
10	769-110/000-038	10
11	769-111/000-038	5
12	769-112/000-038	5
13	769-113/000-038	5
14	769-114/000-038	5
15	769-115/000-038	5

Accessories; for female plugs

Appropriate marking systems: Mini-WSB/Mini-WSB Inline

Insulation stop; 0.08 ... 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white 769-470 200 (25)

Insulation stop; 0.25 ... 0.5 mm²; 5 pcs/strip

light gray 769-471 200 (25)

Insulation stop; 0.75 ... 1 mm²; 5 pcs/strip

dark gray 769-472 200 (25)



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

yellow 280-415 100 (25)

Adjacent jumper; insulated; I_N 24 A

gray 769-402 100 (25)



Jumper cover; for 1-conductor female plugs; for 5 poles

gray 769-436 100 (25)



Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red 210-136 50



Strain relief plate; gray

2- ... 3-pole 769-411 100 (25)



4- ... 5-pole 769-412 100 (25)

Strain relief plate; gray

6- ... 9-pole 769-413 100 (25)



10- ... 15-pole 769-414 100 (25)

Snap-on type strain relief housing; consists of strain relief support and housing

5-pole 769-1605 25



Operating lever; loose; for male and female connectors with CAGE CLAMP® connection

769-434 2000 (100)



Mini-WSB Inline, plain; 1,700 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white 2009-145 1



Mini-WSB marking card; white; 10 strips with 10 markers/card; 5 mm wide markers

plain 248-501 5



Technical Data	
0.08 ... 4 mm²	28 ... 12 AWG
500 V / 6 kV / 3 ❶	
I _N 32 A ❷	
Module width: 5 mm / 0.197 inch	
8 ... 9 mm / 0.31 ... 0.35 inch	



1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks or male connectors; codable; can be commoned with miniature adjacent jumpers		
Pole No.	Item No.	Pack. Unit
3	769-103/000-039	25
4	769-104/000-039	25
5	769-105/000-039	20
6	769-106/000-039	10
7	769-107/000-039	10
8	769-108/000-039	10
9	769-109/000-039	10
10	769-110/000-039	10
11	769-111/000-039	5
12	769-112/000-039	5
13	769-113/000-039	5
14	769-114/000-039	5
15	769-115/000-039	5

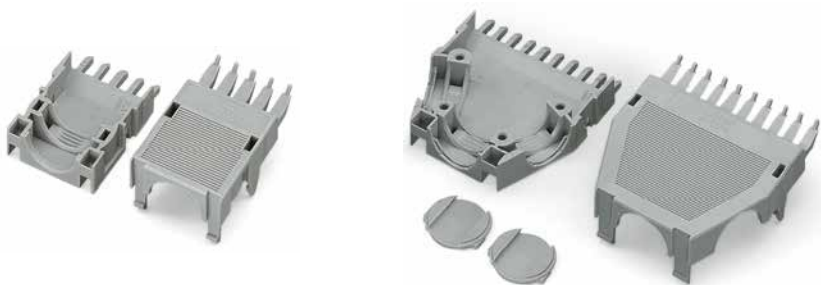
- ❶

500 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)
- ❷

Current-carrying capacity curves upon request
- Snap-on type strain relief housing, see page 452
- Note:

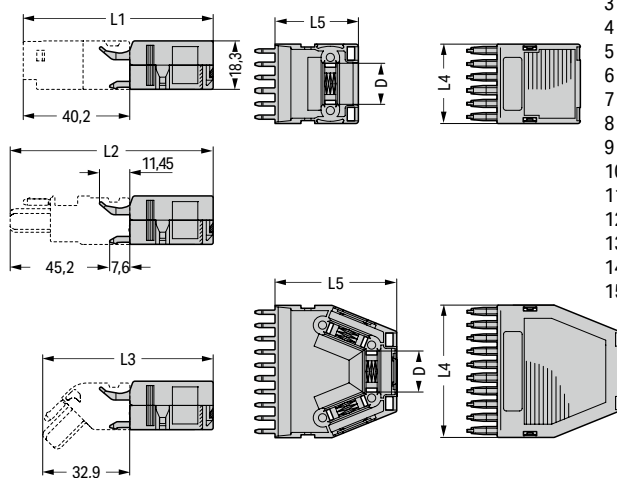
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.
- Approvals and corresponding ratings, visit www.wago.com

Strain Relief Housing X-COM®-SYSTEM; for Female Plugs and Male Connectors with CAGE CLAMP® Connection 769 Series



Dimensions (in mm)

Dimensions for strain relief housings



pole no.	L1	L2	L3	L4	L5	D
2	71.7	76.7	64.4	10	31.5	5
3	71.7	76.7	64.4	15	31.5	9.7
4	71.7	76.7	64.4	20	31.5	14
5	71.7	76.7	64.4	25	31.5	14
6	71.7	76.7	64.4	30	31.5	15.5
7	77.7	81.7	69.4	35	36.5	15.5
8	86.2	91.2	78.9	40	46	15.5
9	86.2	91.2	78.9	45	46	15.5
10	86.2	91.2	78.9	50	46	15.5
11	86.2	91.2	78.9	55	46	15.5
12	86.2	91.2	78.9	60	46	15.5
13	86.2	91.2	78.9	65	46	15.5
14	86.2	91.2	78.9	70	46	15.5
15	86.2	91.2	78.9	75	46	15.5

Strain relief housing; consists of strain relief support and housing with 1 cable outlet (rear side), 2- to 5-pole only suitable for cable ties (not offered by WAGO); gray

Polzahl	Bestellnr.	VPE
2	769-1602	100
3	769-1603	100
4	769-1604	100
5	769-1605	50

Strain relief housing; consists of strain relief support and housing with 1 cable outlet; gray

Polzahl	Bestellnr.	VPE
6	769-1606	100
7	769-1607	100

Strain relief housing; consists of strain relief support and housing with 2 cable outlets, 1 cover; gray

8	769-1608	50
9	769-1609	50

Strain relief housing; consists of strain relief support and housing with 3 cable outlets, 2 covers; gray

10	769-1610	50
11	769-1611	25
12	769-1612	25
13	769-1613	25
14	769-1614	25
15	769-1615	25

Accessories; item-specific

WSB Quick Marking System; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

plain	209-501	5
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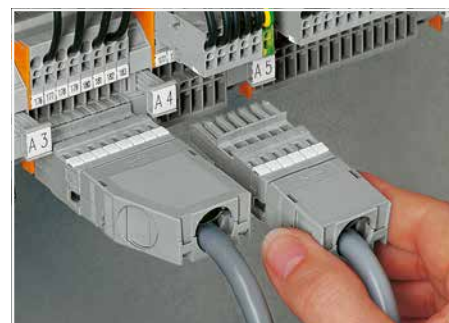
Accessories; item-specific

Cable clamp; for strain relief

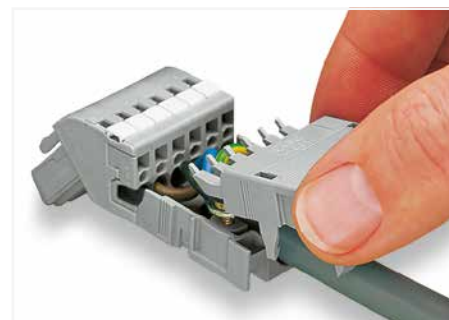
6 or more poles	209-174	25
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Mounting screw; for cable clamp

6 or more poles	209-173	50
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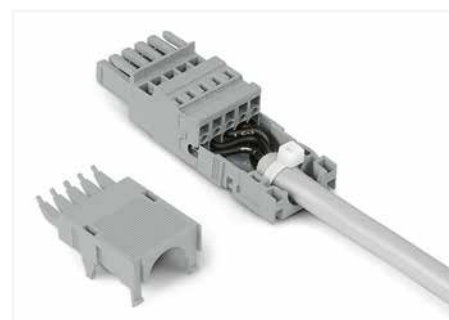
Application:
Strain relief housings for 769 Series



Snapping on a strain relief housing.



Strain relief housing; consists of strain relief support and housing; 6-pole and 1-conductor female plug; angled; 6-pole

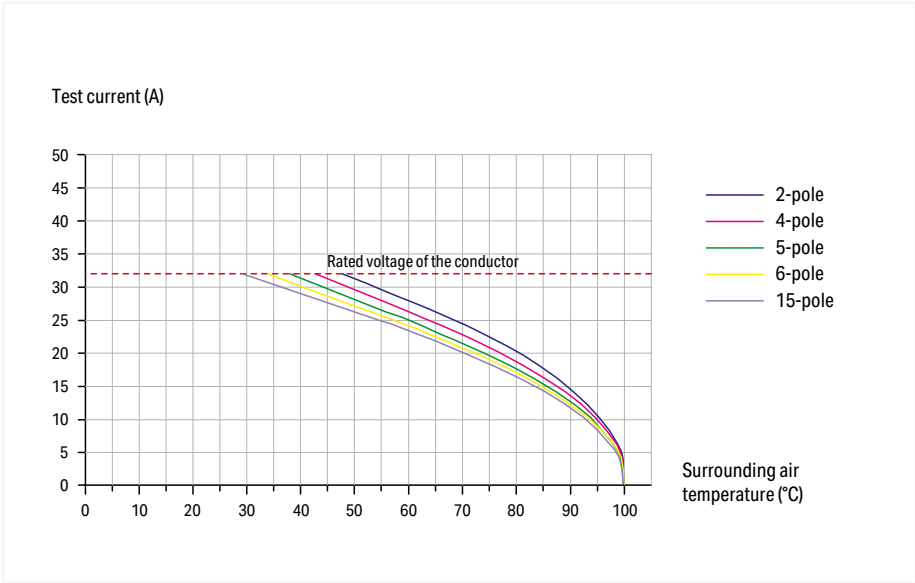


2- to 5-pole strain relief housings feature one cable outlet (rear side).
6- to 7-pole strain relief housings feature one cable outlet
8- to 9-pole strain relief housings feature two cable outlets and one cover.
10- to 16-pole strain relief housings feature three cable outlets and two covers.

1-Conductor/1-Pin and 2-Pin Carrier Terminal Blocks and 1-Conductor Female Plugs

X-COM®-SYSTEM

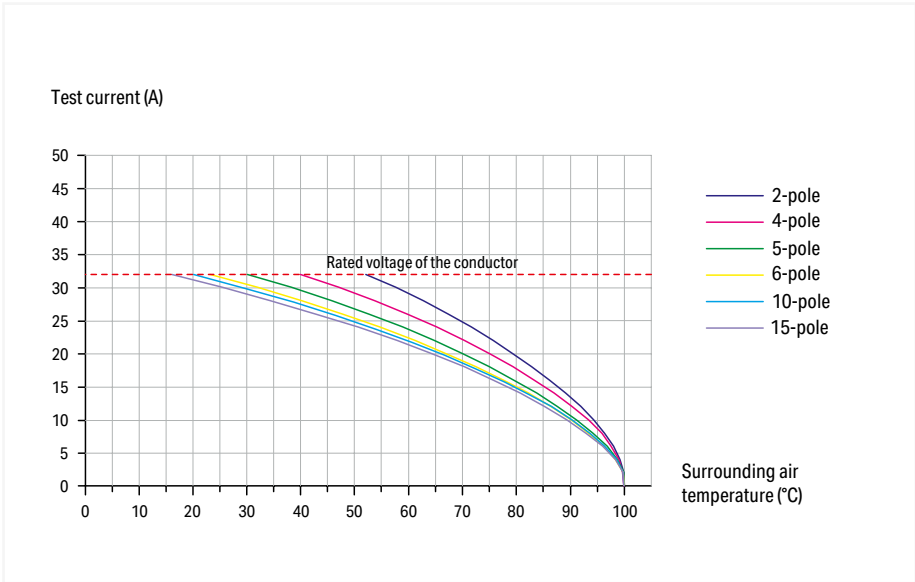
Current-Carrying Capacity Curves



1-conductor/1-pin carrier terminal block (769-176)
Conductor cross section: 4 mm² (12 AWG)

1-conductor female plugs (769-102 to 769-115)
Conductor cross section: 4 mm² (12 AWG)
Conductor loop length: 1 m

7

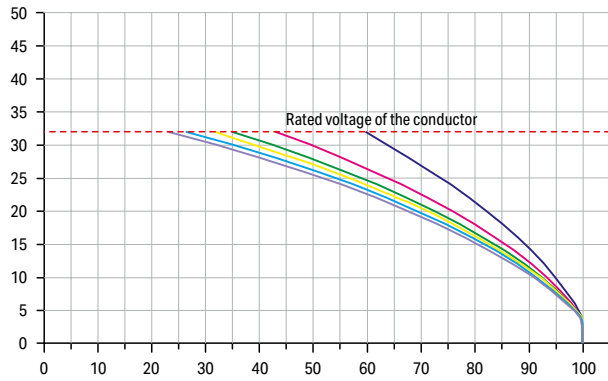


2-pin carrier terminal block (769-156)

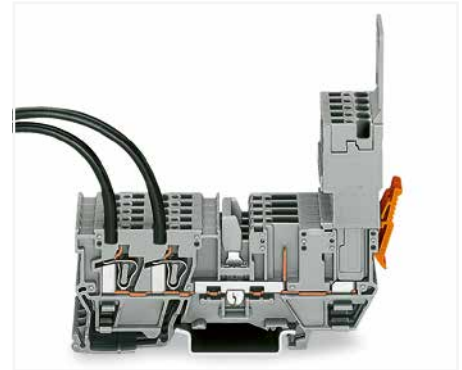
1-conductor female plugs (769-102 to 769-115)
Conductor cross section: 4 mm² (12 AWG)
Conductor loop length: 1 m

2-Conductor/2-Pin and 4-Pin Carrier Terminal Blocks and 1-Conductor Female Plugs X-COM®-SYSTEM Current-Carrying Capacity Curves

Test current (A)



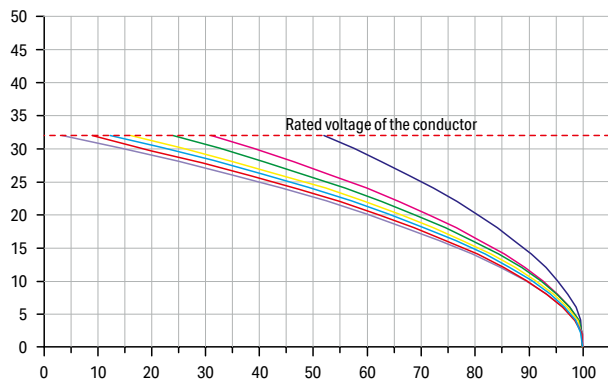
— 2-pole
— 4-pole
— 5-pole
— 6-pole
— 10-pole
— 15-pole



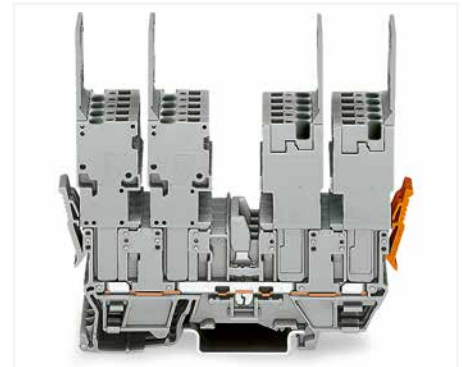
2-conductor/2-pin carrier terminal block (769-171)
Conductor cross section: 4 mm² (12 AWG)

1-conductor female plugs (769-102 to 769-115)
Conductor cross section: 4 mm² (12 AWG)
Conductor loop length: 1 m

Test current (A)



— 2-pole
— 4-pole
— 5-pole
— 6-pole
— 10-pole
— 12-pole
— 15-pole



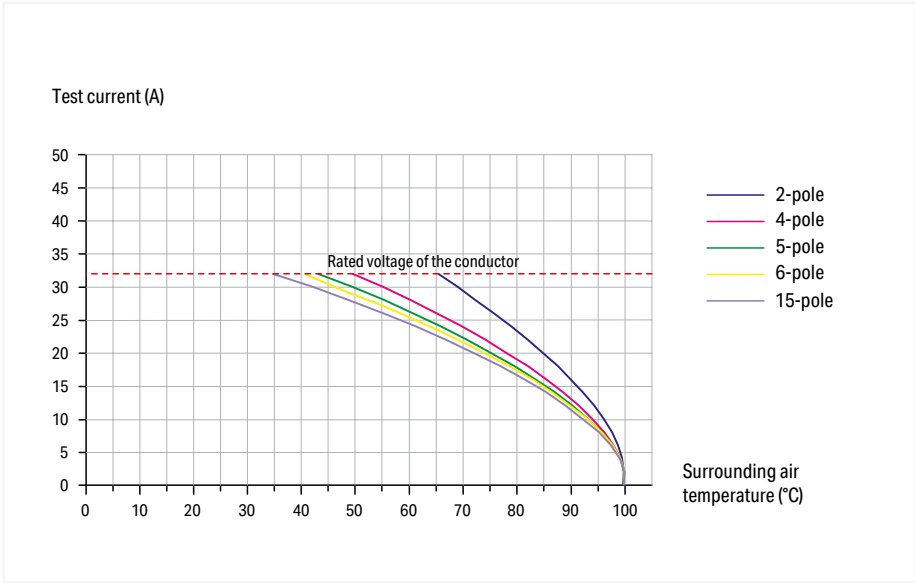
4-pin carrier terminal block (769-151)

1-conductor female plugs (769-102 to 769-115)
Conductor cross section: 4 mm² (12 AWG)
Conductor loop length: 1 m

Male Connectors; with CAGE CLAMP® Connection and 1-Conductor Female Plugs

X-COM®-SYSTEM

Current-Carrying Capacity Curves



Male connectors with
CAGE CLAMP® connection (769-602 to 769-615)
Conductor cross section: 4 mm² (12 AWG)

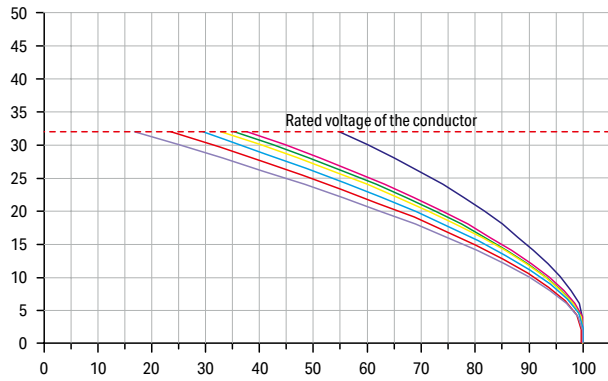
1-conductor female plugs (769-102 to 769-115)
Conductor cross section: 4 mm² (12 AWG)
Conductor loop length: 1 m

Male Headers with Straight/Angled Solder Pins and 1-Conductor Female Plugs

X-COM®-SYSTEM

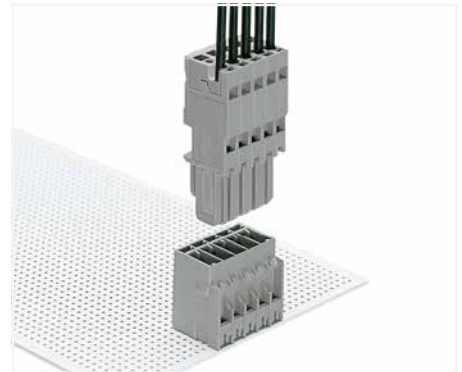
Current-Carrying Capacity Curves

Test current (A)



— 2-pole
— 4-pole
— 5-pole
— 6-pole
— 10-pole
— 12-pole
— 15-pole

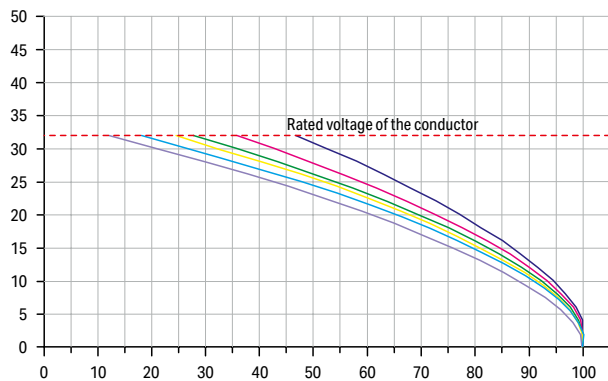
Surrounding air temperature (°C)



Male headers with straight solder pins (769-632 to 769-645)

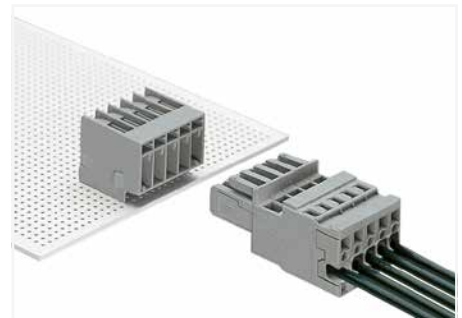
1-conductor female plugs (769-102 to 769-115)
Conductor cross section: 4 mm² (12 AWG)
Conductor loop length: 1 m

Test current (A)



— 2-pole
— 4-pole
— 5-pole
— 6-pole
— 10-pole
— 15-pole

Surrounding air temperature (°C)



Male headers with angled solder pins (769-662 to 769-675)

1-conductor female plugs (769-102 to 769-115)
Conductor cross section: 4 mm² (12 AWG)
Conductor loop length: 1 m