

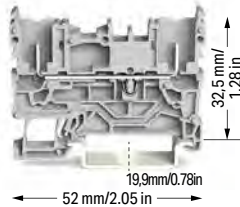
2-Pin Carrier Terminal Block, 4-Pin Carrier Terminal Block X-COM®S-SYSTEM 2022 Series

Technical Data

690 V/6 kV/3 ①

I_N 24 A (28 A) ②

Terminal block width: 5.2 mm / 0.205 inch



2-pin carrier terminal block

Color	Item No.	Pack. Unit
gray	2022-1601	50
blue	2022-1604	50

2-pin ground carrier terminal block

green-yellow	2022-1607	50
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Item-Specific Accessories

End plate; 1 mm thick

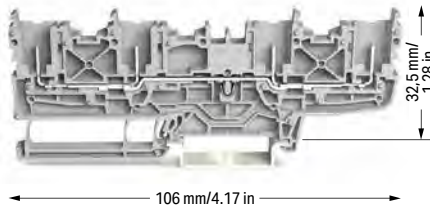
orange	2022-1692	100 (25)
gray	2022-1691	100 (25)

Technical Data

690 V/6 kV/3 ①

I_N 24 A (27 A) ②

Terminal block width: 5.2 mm / 0.205 inch



4-pin carrier terminal block

Color	Item No.	Pack. Unit
gray	2022-1801	50
blue	2022-1804	50

4-pin ground carrier terminal block

green-yellow	2022-1807	50
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Item-Specific Accessories

End plate; 1 mm thick

orange	2022-1892	100 (25)
gray	2022-1891	100 (25)

Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

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

2-way	2002-402	25
3-way	2002-403	25
4-way	2002-404	25
5-way	2002-405	25
6-way	2002-406	25
7-way	2002-407	25
8-way	2002-408	25
9-way	2002-409	25
10-way	2002-410	25

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

1 to 3	2002-433	25
1 to 4	2002-434	25
1 to 5	2002-435	25
1 to 6	2002-436	25
1 to 7	2002-437	25
1 to 8	2002-438	25
1 to 9	2002-439	25
1 to 10	2002-440	25

Delta jumper; insulated; I_N = I_N terminal block; light gray

1-2 3-4 5-6	2002-406/020-000	25
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Star point jumper; insulated; I_N = I_N terminal block; light gray

1-3-5	2002-405/011-000	25
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Adjacent jumper for continuous commoning; insulated; I_N 25 A, light gray

2-way	2002-400	25
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Staggered jumper; insulated; I_N 25 A; light gray

2-way	2002-472	25
3-way	2002-473	25
4-way	2002-474	25
5-way	2002-475	25
6-way	2002-476	25
7-way	2002-477	25
8-way	2002-478	25
9-way	2002-479	25
10-way	2002-480	25
11-way	2002-481	25
12-way	2002-482	25

Adjacent jumper for continuous commoning; insulated; I_N 25 A; 1 to 3

light gray	2002-423	25
red	2002-423/000-005	25
blue	2002-423/000-006	25

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I_N 18 A

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

Carrier with 6 coding pins; for coding female plugs

orange	2022-100	100 (25)
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1-conductor female plug

gray	2022-101	200
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① 690 V = rated voltage

6 kV = rated impulse voltage

3 = pollution degree

② Current-carrying capacity curves upon request

Note:

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes:

Jumpers, from page 166

Marking, from page 266

Approvals and corresponding ratings, visit www.wago.com

Accessories; 2022 Series

Appropriate marking systems:
WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel

white	2009-110	1
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WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

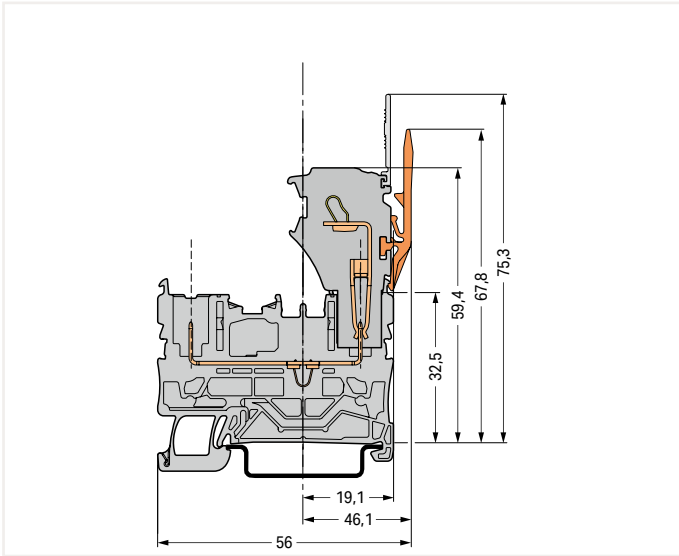
white	2009-115	1
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WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

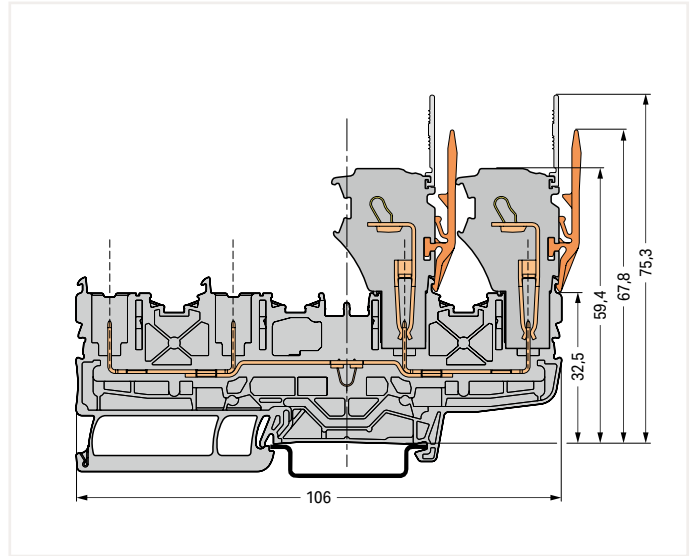
plain	793-5501	5
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Carrier Terminal Blocks and 1-Conductor Female Plugs X-COM®S-SYSTEM

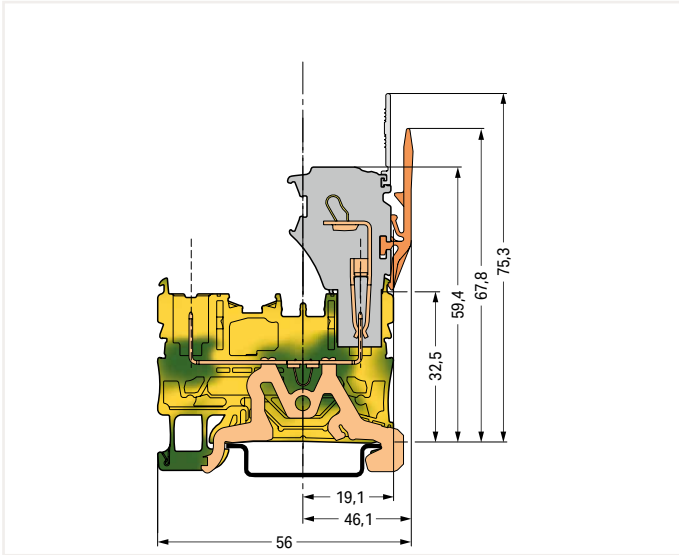
Types of Assembly



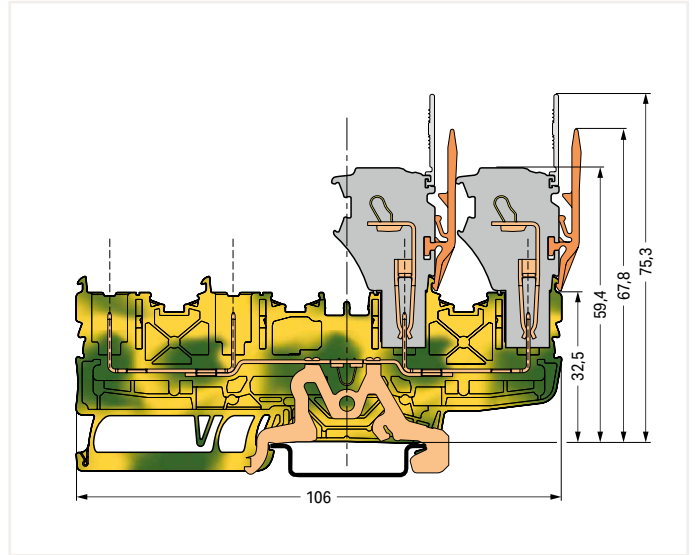
Carrier terminal block



Carrier terminal block



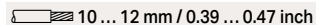
Ground carrier terminal block

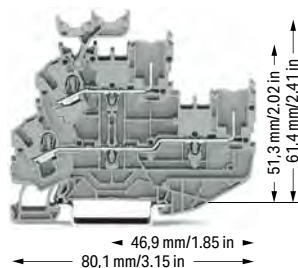


Ground carrier terminal block

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


2.5 (4) mm²; 2022 Series

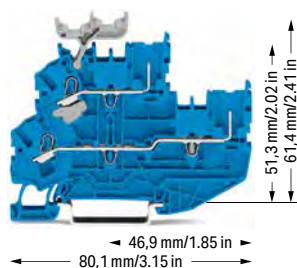
Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I _N 24 A (28 A) ④	600 V, 20 A ⑤
Terminal block width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



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


	Item No.	Pack. Unit
<input type="radio"/> L/L	2022-2231	50
<input type="radio"/> N/L	2022-2232	50
<input type="radio"/> L/N	2022-2233	50

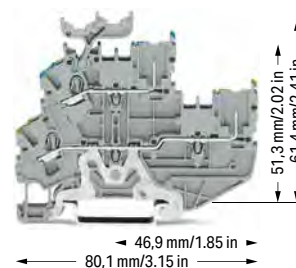
Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I _N 24 A (28 A) ④	600 V, 20 A ⑤
Terminal block width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



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

	Item No.	Pack. Unit
<input checked="" type="radio"/> N/N	2022-2234	50

Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I _N 24 A (28 A) ④	600 V, 20 A ⑤
Terminal block width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



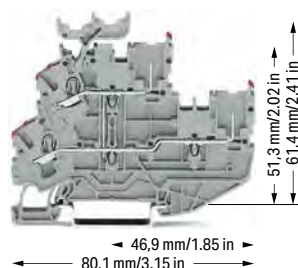
1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
<input type="radio"/> PE/N	2022-2247	50
<input type="radio"/> PE/L	2022-2257	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; gray		
<input type="radio"/> L/L	2022-2201	50
<input type="radio"/> N/L	2022-2202	50
<input type="radio"/> L/N	2022-2203	50

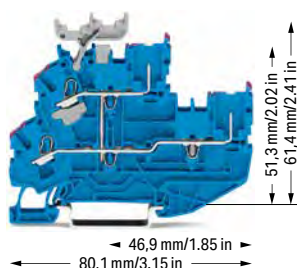
1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; blue		
<input checked="" type="radio"/> N/N	2022-2204	50

1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; gray		
<input type="radio"/> PE/N	2022-2217	50
<input type="radio"/> PE/L	2022-2227	50



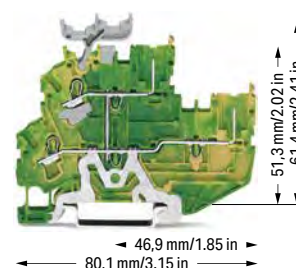
2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
<input type="radio"/> L	2022-2238	50



2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
<input checked="" type="radio"/> N	2022-2239	50



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

	Item No.	Pack. Unit
<input checked="" type="radio"/> PE	2022-2237	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; gray		
<input type="radio"/> L	2022-2208	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; blue		
<input checked="" type="radio"/> N	2022-2209	50

2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier, internally commoned; green-yellow		
<input checked="" type="radio"/> PE	2022-2207	50

① Conductor range: 0.25 ... 4 mm² "s+f-st";
Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm²
"insulated ferrules, 12 mm"
Depending on the conductor characteristic, a conductor
with a smaller cross section can also be inserted
via push-in termination.

② 690 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree

③ Current-carrying capacity curves upon request

Note:

When used as intended, female plugs must not be
connected/disconnected when live or under load.


Please observe the application notes:
Jumpers, from page 166
Marking, from page 266

Approvals and corresponding ratings,
visit www.wago.com


Accessories; 2022 Series

Appropriate marking systems:
WMB/WMB Inline/Marking strips


End and intermediate plate; 1 mm thick

	orange	2022-2292	100 (25)
	gray	2022-2291	100 (25)

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

	light gray	2002-171	200 (25)
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Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

	dark gray	2002-172	200 (25)
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**Protective warning marker; with black high-voltage
symbol; for 5 terminal blocks**

	yellow	2002-115	100 (25)
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Push-in type jumper bar; insulated; I_N 25 A; light gray

	2-way	2002-402	25
	3-way	2002-403	25
	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

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

	1 to 3	2002-433	25
	1 to 4	2002-434	25
	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

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

	2-way	2002-400	25
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**Adjacent jumper for continuous commoning; insulated;
I_N 25 A; 1 to 3**

	light gray	2002-423	25
	red	2002-423/000-005	25
	blue	2002-423/000-006	25


Accessories; 2022 Series

Appropriate marking systems:
WMB/WMB Inline/Marking strips

Double-deck vertical jumper; insulated; I_N 24 A

	light gray	2002-492	100 (25)
	orange	2002-492/000-012	100 (25)

Carrier with 6 coding pins; for coding female plugs

	orange	2022-100	100 (25)
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Test pin; 1 mm Ø

		859-500	1
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Test plug adapter; for 4 mm Ø test plug

	gray	2009-174	100 (25)
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Testing tap; for max. 2.5 mm²

	gray	2009-182	100 (25)
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1-conductor female plug

	gray	2022-101	200
---	------	----------	-----

Marking strip; plain; 11 mm wide; 50 m reel

	white	2009-110	1
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**WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;
5 ... 5.2 mm stretchable**

	white	2009-115	1
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**WMB marking card; white; 10 strips with 10 markers/card;
5 ... 5.2 mm stretchable**

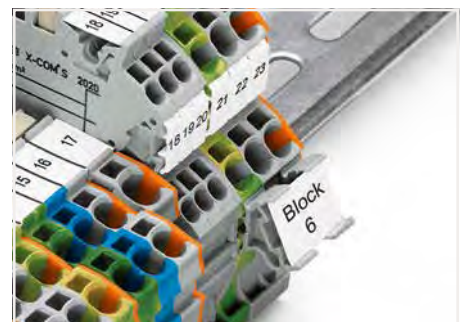
	plain	793-5501	5
---	-------	----------	---

Double-deck marker carrier; pivoting

	gray	2002-121	50 (25)
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Size comparison:
Double-deck carrier terminal blocks with 3.5 mm and
5.2 mm terminal block widths



Marker carrier (2009-198)

1-Conductor Female Plug X-COM®S-SYSTEM

2.5 (4) mm²; 2022 Series

Technical Data

0.25 ... 2.5 (4) mm² ① 22 ... 12 AWG

690 V/6 kV/3 ② 600 V, 20 A ③

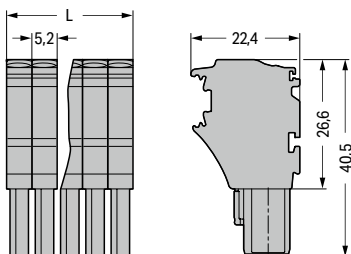
I_N 24 A (32 A) ③ 600 V, 20 A ③

Module width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



Dimensions (in mm):



L = pole no. x module width

1-conductor female plug; fits into carrier terminal blocks; codable; gray

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Pole No.	Item No.	Pack. Unit
○ 1	2022-101	200
○ 2	2022-102	200
○ 3	2022-103	100
○ 4	2022-104	100
○ 5	2022-105	50
○ 6	2022-106	50
○ 7	2022-107	50
○ 8	2022-108	50
○ 9	2022-109	50
○ 10	2022-110	25
○ 11	2022-111	25
○ 12	2022-112	25
○ 13	2022-113	25
○ 14	2022-114	25
○ 15	2022-115	25

Accessories; for female plugs

Appropriate marking systems:
WMB/WMB Inline/Marking strips

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

light gray 2002-171 200 (25)



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

dark gray 2002-172 200 (25)



① Conductor range: 0.25 ... 4 mm² "s+f-st";
Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm²
"insulated ferrules, 12 mm"
Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

② 690 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree

③ Current-carrying capacity curves upon request

Item no. suffixes

blue .../000-006

orange .../000-012

green-yellow .../000-016

Approvals and corresponding ratings,
visit www.wago.com

Accessories; for female plugs

Appropriate marking systems:
WMB/WMB Inline/Marking strips

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

yellow 2002-115 100 (25)



Locking lever; 4.8 mm wide

orange 2022-142 100 (25)

gray 2022-141 100 (25)



Locking lever; 9.6 mm wide

orange 2022-152 100 (25)

gray 2022-151 100 (25)



Carrier with 6 coding pins; for coding female plugs

orange 2022-100 100 (25)



Strain relief plate; gray

35 mm wide 734-326 100 (25)

6 mm wide 734-327 100 (25)

12.5 mm wide 734-328 100 (25)

25 mm wide 734-329 100 (25)

55 mm wide 734-430 50 (25)

75 mm wide 734-431 50 (25)



Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110 1



WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;
5 ... 5.2 mm stretchable

white 2009-115 1

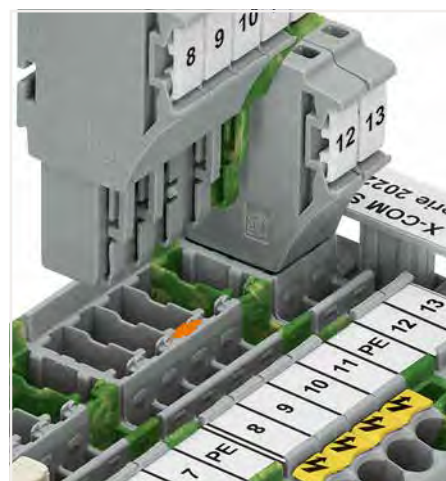


WMB marking card; white; 10 strips with 10 markers/card;
5 ... 5.2 mm stretchable

plain 793-5501 5



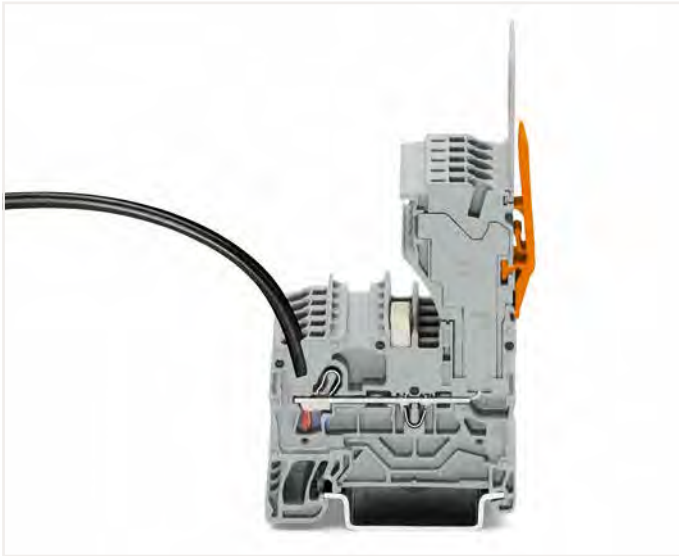
Coding a female plug: remove coding finger using a suitable tool.



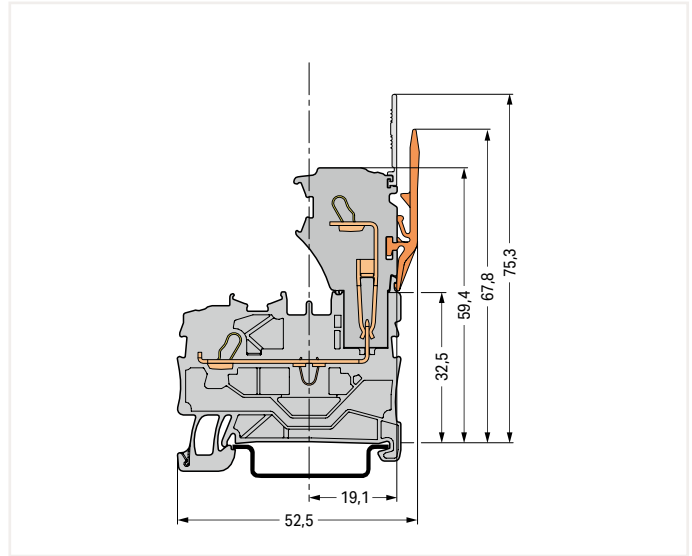
Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

Carrier Terminal Blocks and 1-Conductor Female Plugs X-COM®S-SYSTEM

Types of Assembly



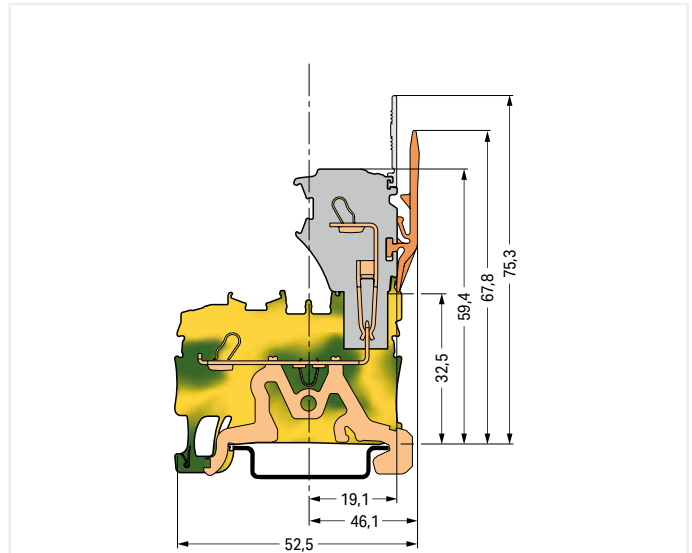
1-conductor female plug
Carrier terminal blocks can be commoned via 2002 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



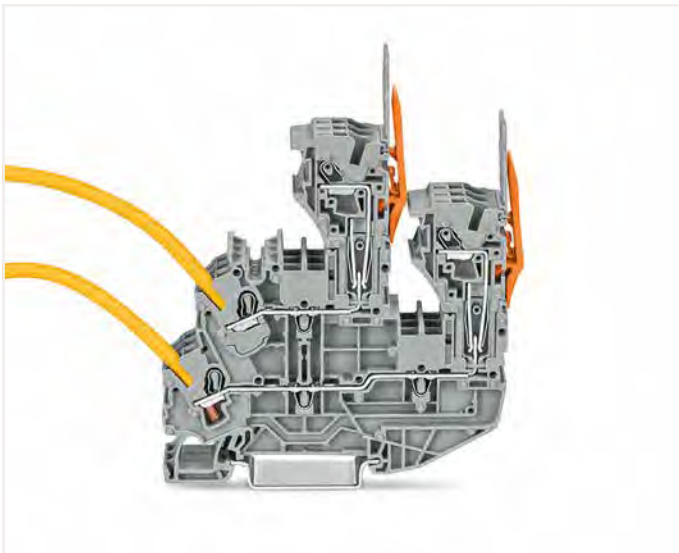
Carrier terminal block



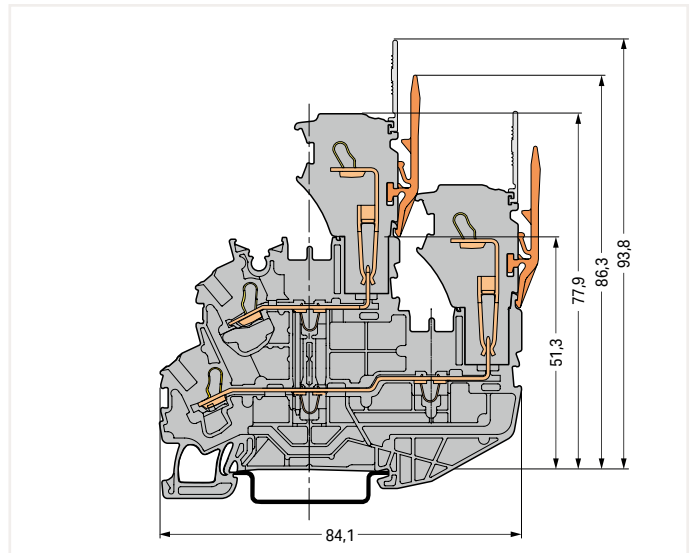
X-COM®S-SYSTEM terminal block assembly



Ground carrier terminal block



1-conductor female plug
Double-deck carrier terminal blocks can be commoned via 2002 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



Double-deck carrier terminal block

Female Plug for Self-Assembly X-COM®S-SYSTEM

2.5 (4) mm²; 2022 Series

Technical Data

0.25 ... 2.5 (4) mm² ① 22 ... 12 AWG

690 V/6 kV/3 ② 600 V, 20 A^{III}





I_N 24 A (32 A) ③ 600 V, 20 A^{II}

Terminal block width: 5.2 mm / 0.205 inch


 10 ... 12 mm / 0.39 ... 0.47 inch



1-conductor end module; codable

Color	Item No.	Pack. Unit
 gray	2022-181	250
 blue	2022-184	250
 orange	2022-182	250
 green-yellow	2022-187	250

1-conductor center module; codable

 gray	2022-171	250
 blue	2022-174	250
 orange	2022-172	250
 green-yellow	2022-177	250


1-conductor base module; with integrated end plate; codable

 gray	2022-161	250
 blue	2022-164	250
 orange	2022-162	250
 green-yellow	2022-167	250


Accessories; for female plugs

Appropriate marking systems:
WMB/WMB Inline/Marking strips

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

 light gray	2002-171	200 (25)
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
Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

 dark gray	2002-172	200 (25)
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Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

 yellow	2002-115	100 (25)
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Locking lever; 4.8 mm wide

 orange	2022-142	100 (25)
 gray	2022-141	100 (25)

Locking lever; 9.6 mm wide

 orange	2022-152	100 (25)
 gray	2022-151	100 (25)

Carrier with 6 coding pins; for coding female plugs

 orange	2022-100	100 (25)
---	----------	----------

① Conductor range: 0.25 ... 4 mm² "s+f-st";
Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm"
Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

② 690 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree

③ 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:
WMB/WMB Inline/Marking strips


Strain relief plate; gray

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


Marking strip; plain; 11 mm wide; 50 m reel

 white	2009-110	1
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WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

 white	2009-115	1
---	----------	---

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

 plain	793-5501	5
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Customizing Modular Female Plugs

WAGO's modular X-COM®S-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®S-SYSTEM female plug consists of:

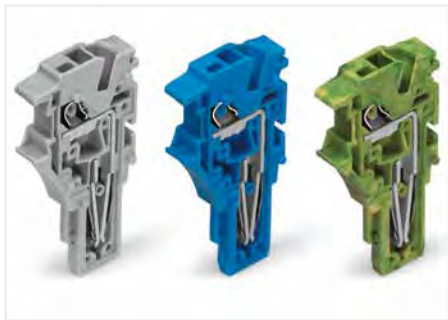
- One base module with an integrated end plate
- Up to 13 center modules (corresponding to a 15-pole female plug = maximum pole number)
- One end module

Intended Use

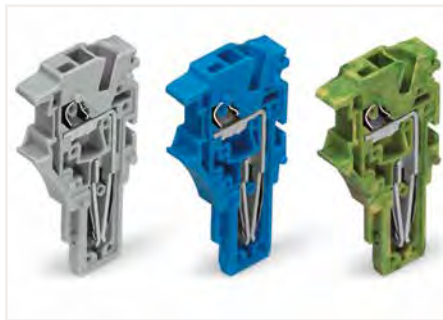
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Mounting

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.



End module

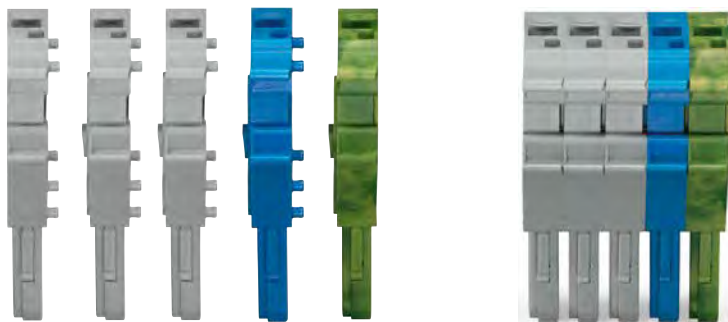


Center module



Base module

Example: 5-Pole, 1-Conductor Female Plug





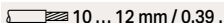
Base module with integrated end plate
2022-167

Center module
2022-174




Center modules
2022-171

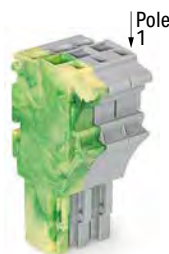
End module
2022-181




Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM 2.5 (4) mm²; 2022 Series

Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A 
I _N 24 A (32 A) ③	600 V, 20 A 
Module width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A 
I _N 24 A (32 A) ③	600 V, 20 A 
Module width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A 
I _N 24 A (32 A) ③	600 V, 20 A 
Module width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	




1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2022-103/000-036	100
4	2022-104/000-036	100
5	2022-105/000-036	50
6	2022-106/000-036	50
7	2022-107/000-036	50
8	2022-108/000-036	50
9	2022-109/000-036	50
10	2022-110/000-036	25
11	2022-111/000-036	25
12	2022-112/000-036	25
13	2022-113/000-036	25
14	2022-114/000-036	25
15	2022-115/000-036	25


1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2022-103/000-037	100
4	2022-104/000-037	100
5	2022-105/000-037	50
6	2022-106/000-037	50
7	2022-107/000-037	50
8	2022-108/000-037	50
9	2022-109/000-037	50
10	2022-110/000-037	25
11	2022-111/000-037	25
12	2022-112/000-037	25
13	2022-113/000-037	25
14	2022-114/000-037	25
15	2022-115/000-037	25


1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2022-103/000-038	100
4	2022-104/000-038	100
5	2022-105/000-038	50
6	2022-106/000-038	50
7	2022-107/000-038	50
8	2022-108/000-038	50
9	2022-109/000-038	50
10	2022-110/000-038	25
11	2022-111/000-038	25
12	2022-112/000-038	25
13	2022-113/000-038	25
14	2022-114/000-038	25
15	2022-115/000-038	25


Accessories; for female plugs


Appropriate marking systems: WMB/WMB Inline/Marking strips


Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm ²			
	light gray	2002-171	200 (25)


Insulation stop; 5 pcs/strip; 0.75 ... 1 mm ²			
	dark gray	2002-172	200 (25)


Protective warning marker; with black high-voltage symbol; for 5 terminal blocks			
	yellow	2002-115	100 (25)


Locking lever; 4.8 mm wide			
	orange	2022-142	100 (25)
	gray	2022-141	100 (25)


Locking lever; 9.6 mm wide			
	orange	2022-152	100 (25)
	gray	2022-151	100 (25)

Carrier with 6 coding pins; for coding female plugs			
	orange	2022-100	100 (25)

Strain relief plate; gray			
	35 mm wide	734-326	100 (25)
	6 mm wide	734-327	100 (25)
	12.5 mm wide	734-328	100 (25)
	25 mm wide	734-329	100 (25)
	55 mm wide	734-430	50 (25)
	75 mm wide	734-431	50 (25)

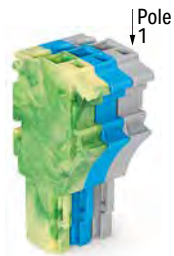
Marking strip; plain; 11 mm wide; 50 m reel			
	white	2009-110	1

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable			
	white	2009-115	1

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable			
	plain	793-5501	5

Technical Data

0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I _N 24 A (32 A) ③	600 V, 20 A ③
Module width: 5.2 mm / 0.205 inch	
10 ... 12 mm / 0.39 ... 0.47 inch	



- ① Conductor range: 0.25 ... 4 mm² "s+f-st";
Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm"
Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- ② 690 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
- ③ Current-carrying capacity curves upon request

Note:

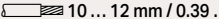
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

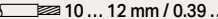
1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable

Pole No.	Item No.	Pack. Unit
3	2022-103/000-039	100
4	2022-104/000-039	100
5	2022-105/000-039	50
6	2022-106/000-039	50
7	2022-107/000-039	50
8	2022-108/000-039	50
9	2022-109/000-039	50
10	2022-110/000-039	25
11	2022-111/000-039	25
12	2022-112/000-039	25
13	2022-113/000-039	25
14	2022-114/000-039	25
15	2022-115/000-039	25


1-Conductor Female Plug X-COM®S-SYSTEM; with Lateral Locking Lever and Strain Relief Plate 2.5 (4) mm²; 2022 Series

Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I _N 24 A (32 A) ④	600 V, 20 A ⑤
Module width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I _N 24 A (32 A) ④	600 V, 20 A ⑤
Module width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I _N 24 A (32 A) ④	600 V, 20 A ⑤
Module width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



1-conductor female plug; with locking lever; fits into carrier terminal blocks; codable; gray

Pole No.	Item No.	Pack. Unit
○ 1	2022-101/122-000	200
○ 2	2022-102/122-000	100
○ 3	2022-103/123-000	100
○ 4	2022-104/123-000	50
○ 5	2022-105/123-000	50
○ 6	2022-106/123-000	50
○ 7	2022-107/123-000	25
○ 8	2022-108/123-000	25
○ 9	2022-109/123-000	25
○ 10	2022-110/123-000	25
○ 11	2022-111/126-000	25
○ 12	2022-112/126-000	20
○ 13	2022-113/126-000	20
○ 14	2022-114/126-000	10
○ 15	2022-115/127-000	10

1-conductor female plug; with strain relief plate; fits into carrier terminal blocks; codable; gray

Pole No.	Item No.	Pack. Unit
○ 1	2022-101/132-000	200
○ 2	2022-102/132-000	100
○ 3	2022-103/133-000	100
○ 4	2022-104/133-000	50
○ 5	2022-105/134-000	50
○ 6	2022-106/134-000	50
○ 7	2022-107/135-000	25
○ 8	2022-108/135-000	25
○ 9	2022-109/135-000	25
○ 10	2022-110/135-000	25
○ 11	2022-111/136-000	25
○ 12	2022-112/136-000	20
○ 13	2022-113/136-000	20
○ 14	2022-114/136-000	10
○ 15	2022-115/137-000	10

1-conductor female plug; with strain relief plate and locking lever; fits into carrier terminal blocks; codable; gray

Pole No.	Item No.	Pack. Unit
○ 1	2022-101/142-000	200
○ 2	2022-102/142-000	100
○ 3	2022-103/143-000	100
○ 4	2022-104/143-000	50
○ 5	2022-105/144-000	50
○ 6	2022-106/144-000	50
○ 7	2022-107/145-000	25
○ 8	2022-108/145-000	25
○ 9	2022-109/145-000	25
○ 10	2022-110/145-000	25
○ 11	2022-111/146-000	25
○ 12	2022-112/146-000	20
○ 13	2022-113/146-000	20
○ 14	2022-114/146-000	10
○ 15	2022-115/147-000	10

1-conductor female plug; with locking lever; fits into carrier terminal blocks; codable

● 1 blue	2022-101/122-006	200
● 1 green-yellow	2022-101/122-016	200

1-conductor female plug; with strain relief plate; fits into carrier terminal blocks; codable

● 1 blue	2022-101/132-006	200
● 1 green-yellow	2022-101/132-016	200


1-conductor female plug; with strain relief plate and locking lever; fits into carrier terminal blocks; codable

● 1 blue	2022-101/142-006	200
● 1 green-yellow	2022-101/142-016	200

Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

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

	light gray	2002-171	200 (25)
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Marking strip; plain; 11 mm wide; 50 m reel

	white	2009-110	1
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Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

	dark gray	2002-172	200 (25)
---	-----------	----------	----------

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

	white	2009-115	1
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Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

	yellow	2002-115	100 (25)
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WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

	plain	793-5501	5
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Carrier with 6 coding pins; for coding female plugs

	orange	2022-100	100 (25)
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① Conductor range: 0.25 ... 4 mm² "s+f-st";
 Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm²
 "insulated ferrules, 12 mm"
 Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

② 690 V = rated voltage
 6 kV = rated impulse voltage
 3 = pollution degree

③ Current-carrying capacity curves upon request

Note:

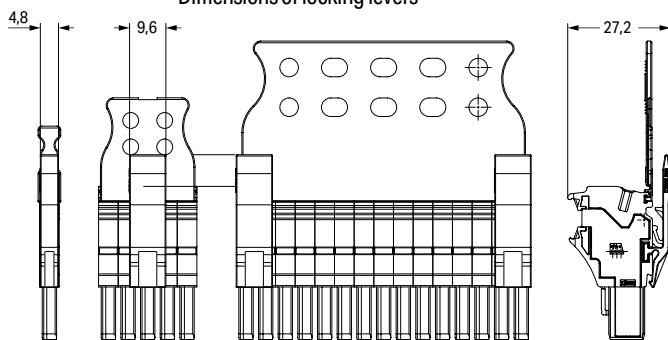
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

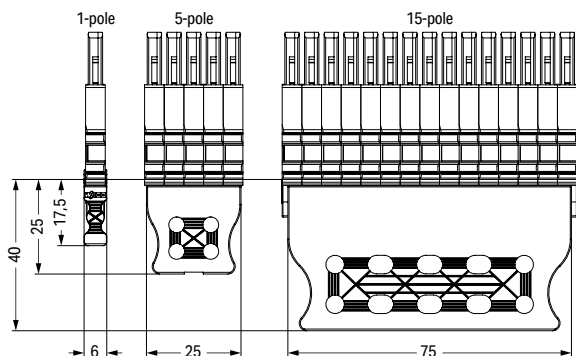
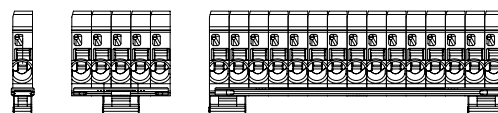
Strain Relief Plate (SRP), Gray			Assembled		Locking Lever (LL), Gray				Assembled		SRP and LL, Gray
SRP					Pole No.	Quantity	1-Way	2-Way			
			Item No. Suffix				Item No. Suffix		Item No. Suffix		
Item No.	Color	Width									
734-327	gray	6mm	/132-0xx		1 to 2	1	/122-0xx	-	/142-0xx		
734-328	gray	12.5mm	/133-0xx		3 to 4	1	-	/123-0xx	/143-0xx		
734-329	gray	25mm	/134-0xx		5 to 6	1	-	/123-0xx	/144-0xx		
734-326	gray	35mm	/135-0xx		7 to 10	1	-	/123-0xx	/145-0xx		
734-430	gray	55mm	/136-0xx		11 to 14	2	-	/126-0xx	/146-0xx		
734-431	gray	75mm	/137-0xx		15	2	-	/127-0xx	/147-0xx		

For colored female plugs, the item number suffix "xx" must be replaced by the blue "-006" and the green-yellow "-016" color suffix.

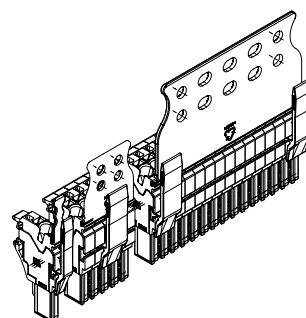
Dimensions of locking levers



Description	Color	Item No.	Suffix No.
1-conductor female plug	gray	2022-101	none
1- to 15-pole	blue green-yellow	to 2022-115	/000-006 /000-016

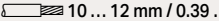
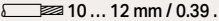
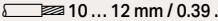


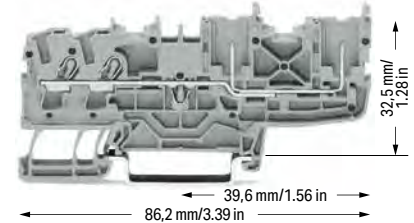
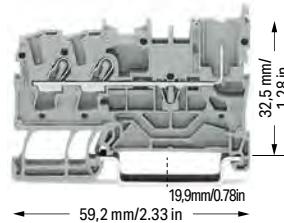
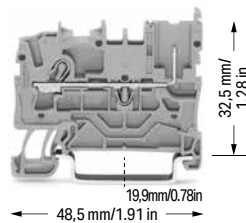
Dimensions of strain relief plates



1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM; for Ex ec Applications

2.5 (4) mm²; 2022 Series

Technical Data		Technical Data		Technical Data	
0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG	0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG	0.25 ... 2.5 (4) mm ² ①	22 ... 12 AWG
630 V ②	600 V, 20 A ③	630 V ②	600 V, 20 A ③	630 V ②	600 V, 20 A ③
I _N 20 A	600 V, 20 A ④	I _N 20 A	600 V, 20 A ④	I _N 20 A	600 V, 20 A ④
Terminal block width: 5.2 mm / 0.205 inch		Terminal block width: 5.2 mm / 0.205 inch		Terminal block width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch		 10 ... 12 mm / 0.39 ... 0.47 inch		 10 ... 12 mm / 0.39 ... 0.47 inch	



1-conductor/1-pin carrier terminal block; suitable for Ex ec applications

Color	Item No.	Pack. Unit
gray ⑤	2022-1201/999-953	100
blue ⑤	2022-1204/999-953	100

2-conductor/1-pin carrier terminal block; suitable for Ex ec applications

Color	Item No.	Pack. Unit
gray ⑤	2022-1301/999-953	100
blue ⑤	2022-1304/999-953	100

2-conductor/2-pin carrier terminal block; suitable for Ex ec applications

Color	Item No.	Pack. Unit
gray ⑤	2022-1401/999-953	50
blue ⑤	2022-1404/999-953	50

1-conductor/1-pin ground carrier terminal block; suitable for Ex ec applications

Color	Item No.	Pack. Unit
green-yellow ⑤	2022-1207/999-953	100

2-conductor/1-pin ground carrier terminal block; suitable for Ex ec applications

Color	Item No.	Pack. Unit
green-yellow ⑤	2022-1307/999-953	100

2-conductor/2-pin ground carrier terminal block; suitable for Ex ec applications

Color	Item No.	Pack. Unit
green-yellow ⑤	2022-1407/999-953	50

Accessories; item-specific

End and intermediate plate; 1 mm thick

Color	Item No.	Pack. Unit
orange	2022-1292	100 (25)
gray	2022-1291	100 (25)

Accessories; item-specific

End and intermediate plate; 1 mm thick

Color	Item No.	Pack. Unit
orange	2022-1392	100 (25)
gray	2022-1391	100 (25)

Accessories; item-specific

End and intermediate plate; 1 mm thick

Color	Item No.	Pack. Unit
orange	2022-1492	100 (25)
gray	2022-1491	100 (25)

Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

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

Color	Item No.	Pack. Unit
light gray	2002-171	200 (25)

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

Color	Item No.	Pack. Unit
dark gray	2002-172	200 (25)

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

Color	Item No.	Pack. Unit
yellow	2002-115	100 (25)

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

Way	Item No.	Pack. Unit
2-way	2002-402	25
3-way	2002-403	25
4-way	2002-404	25
5-way	2002-405	25
6-way	2002-406	25
7-way	2002-407	25
8-way	2002-408	25
9-way	2002-409	25
10-way	2002-410	25

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

Way	Item No.	Pack. Unit
1 to 3	2002-433	25
1 to 4	2002-434	25
1 to 5	2002-435	25
1 to 6	2002-436	25
1 to 7	2002-437	25
1 to 8	2002-438	25
1 to 9	2002-439	25
1 to 10	2002-440	25

Staggered jumper; insulated; I_N 25 A; light gray

Way	Item No.	Pack. Unit
2-way	2002-472	25
3-way	2002-473	25
4-way	2002-474	25
5-way	2002-475	25
6-way	2002-476	25
7-way	2002-477	25
8-way	2002-478	25
9-way	2002-479	25
10-way	2002-480	25
11-way	2002-481	25
12-way	2002-482	25

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I_N 18 A

Length (L)	Item No.	Pack. Unit
L = 60 mm	2009-412	100 (10)
L = 110 mm	2009-414	100 (10)
L = 250 mm	2009-416	100 (10)

Carrier with 6 coding pins; for coding female plugs

Color	Item No.	Pack. Unit
orange	2022-100	100 (25)

Test pin; 1 mm Ø

Item No.	Pack. Unit
859-500	1

1-conductor female plug; with shorter locking lever; suitable for Ex ec applications; fits into carrier terminal blocks; codable

Color	Item No.	Pack. Unit
gray	2022-103/999-953	100

Marking strip; plain; 11 mm wide; 50 m reel

Color	Item No.	Pack. Unit
white	2009-110	1

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

Color	Item No.	Pack. Unit
white	2009-115	1

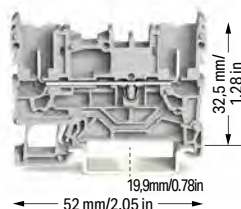
WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

Color	Item No.	Pack. Unit
plain	793-5501	5

2-Pin Carrier Terminal Block and 4-Pin Carrier Terminal Block X-COM®S-SYSTEM; for Ex ec Applications 2022 Series

Technical Data

630 V ①	600 V, 20 A ②
I _N 20 A ②	600 V, 20 A ③
Terminal block width: 5.2 mm / 0.205 inch	



2-pin carrier terminal block; for Ex ec applications



Color	Item No.	Pack. Unit
gray ④	2022-1601/999-953	50
blue ④	2022-1604/999-953	50

2-pin ground carrier terminal block; for Ex ec applications

green-yellow ④	2022-1607/999-953	50
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Accessories; item-specific


End plate; 1 mm thick

	orange	2022-1692	100 (25)
	gray	2022-1691	100 (25)


Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

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

	2-way	2002-402	25
	3-way	2002-403	25
	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

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

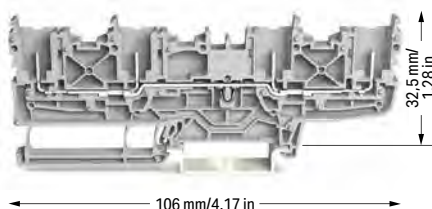
	1 to 3	2002-433	25
	1 to 4	2002-434	25
	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

Staggered jumper; insulated; I_N 25 A; light gray

	2-way	2002-472	25
	3-way	2002-473	25
	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Technical Data

630 V ①	600 V, 20 A ②
I _N 20 A ②	600 V, 20 A ③
Terminal block width: 5.2 mm / 0.205 inch	



4-pin carrier terminal block; for Ex ec applications



Color	Item No.	Pack. Unit
gray ④	2022-1801/999-953	50
blue ④	2022-1804/999-953	50

4-pin ground carrier terminal block; for Ex ec applications

green-yellow ④	2022-1807/999-953	50
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Accessories; item-specific

End plate; 1 mm thick

	orange	2022-1892	100 (25)
	gray	2022-1891	100 (25)

① 630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

Note:

When used as intended, female plugs must not be connected/disconnected when live or under load.

See application notes in our Full Line Catalog, Volume 1. Jumpers, from page 152
Marking accessories, from page 588

Approvals and corresponding ratings, visit www.wago.com