

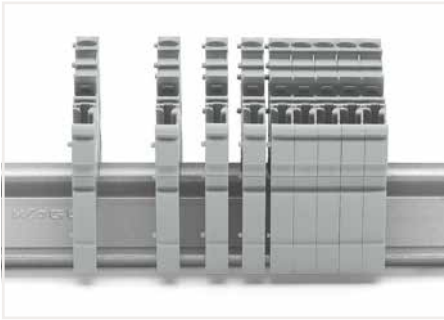
# WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM<sup>®</sup>S-SYSTEM

## WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®S-SYSTEM Front-Entry Wiring

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# X-COM®S-SYSTEM-MINI; 2020 Series X-COM®S-SYSTEM; 2022 Series Description and Installation

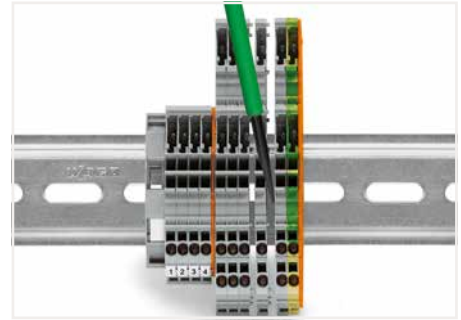
2



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



Open the assembly by laterally sliding a block via operating tool (3.5 x 0.5 mm blade).



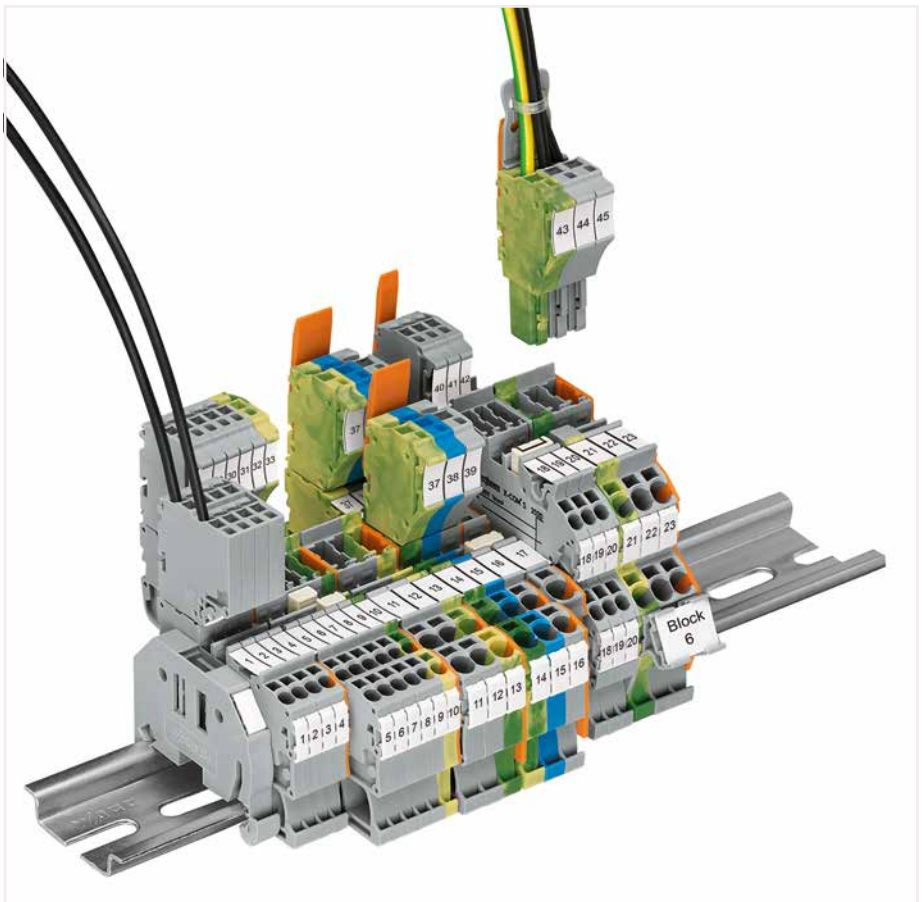
Separate terminal block assembly and slide individual terminal blocks laterally using an operating tool.



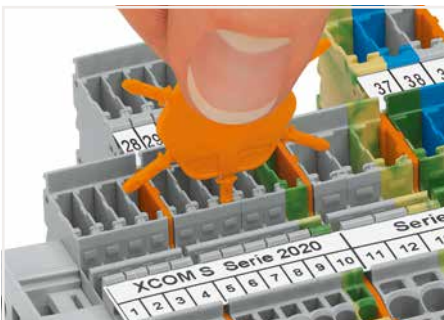
Carrier terminal blocks and female plugs are touch-proof.



Push-in CAGE CLAMP® enables solid conductors to be connected by simply pushing them into the unit.



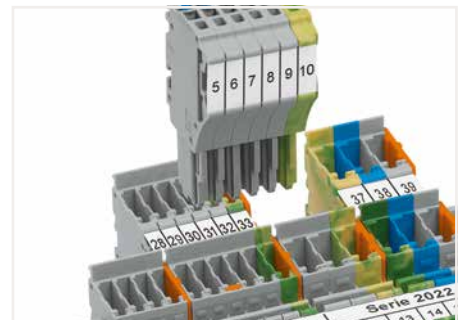
Note: Female plugs used according to the regulations must not be connected/disconnected when live or under load.



Insert coding pin into the corresponding slot and twist it off.



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



Insert coded female connector into X-COM®S-SYSTEM terminal block assembly.



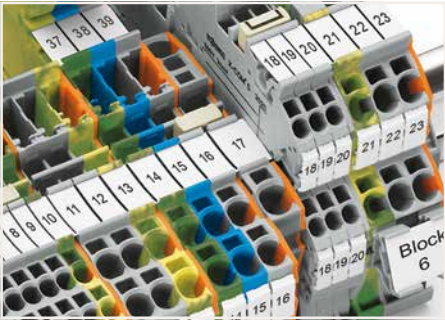
Push-in CAGE CLAMP® terminates the following copper conductors:  
solid "s"



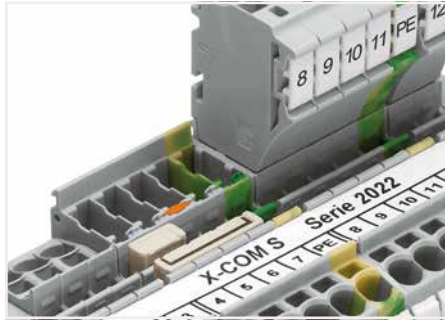
stranded "st"



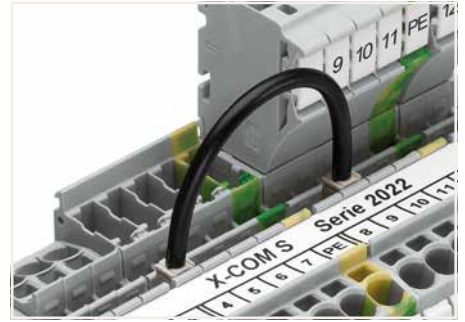
fine-stranded "f-st", also with tinned single strands



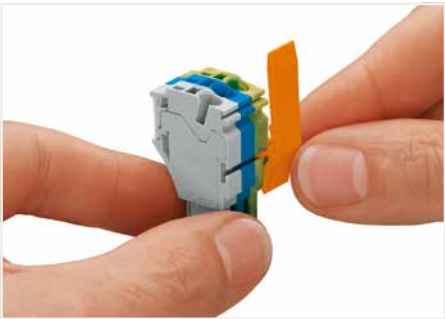
Commoning X-COM®S-SYSTEM Terminal Blocks using jumpers for Terminal Blocks TOPJOB® S. An end plate provides connection to Terminal Blocks TOPJOB® S. 2020 and 2022 Series Terminal Blocks are combinable. Jumper slots are on the same level for both series.



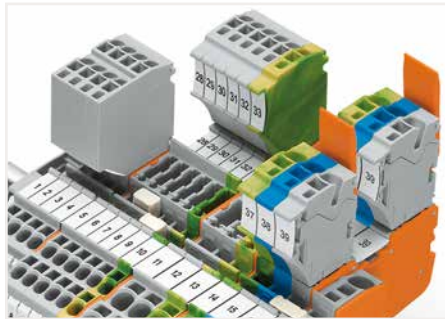
Pairing push-in comb style jumpers.



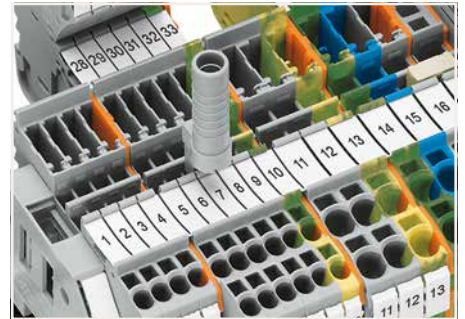
Commoning with push-in type wire jumper.



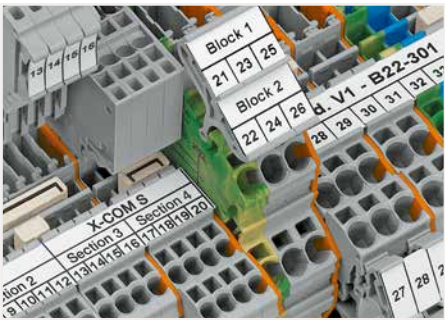
Slide the locking lever into position.



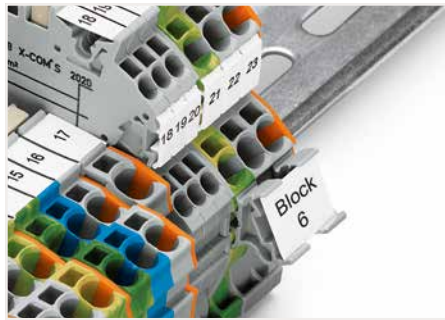
Female plugs can be individually locked.



Test plug adapter (2009-174) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM-MINI Terminal Blocks.



Clear marking via large marking area



Marker carrier (2009-198)



fine-stranded, tip-bonded

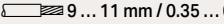


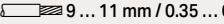
fine-stranded, with ferrule (gastight crimped)




fine-stranded, with pin terminal (gastight crimped)

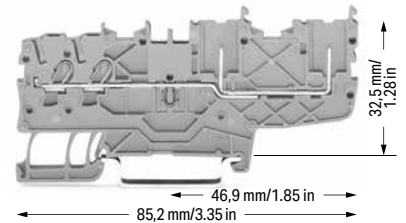
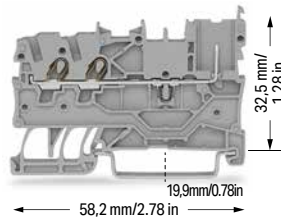
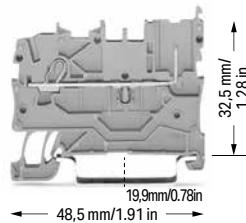
# 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM-MINI 1 (1.5) mm<sup>2</sup>; 2020 Series



Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Terminal block width: 3.5 mm / 0.138 inch	
 9 ... 11 mm / 0.35 ... 0.43 inch	



Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Terminal block width: 3.5 mm / 0.138 inch	
 9 ... 11 mm / 0.35 ... 0.43 inch	



Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Terminal block width: 3.5 mm / 0.138 inch	
 9 ... 11 mm / 0.35 ... 0.43 inch	

2



1-conductor/1-pin carrier terminal block		
Color	Item No.	Pack. Unit
 gray	2020-1201	50
 blue	2020-1204	50



2-conductor/1-pin carrier terminal block		
Color	Item No.	Pack. Unit
 gray	2020-1301	50
 blue	2020-1304	50



2-conductor/2-pin carrier terminal block		
Color	Item No.	Pack. Unit
 gray	2020-1401	50
 blue	2020-1404	50



1-conductor/1-pin ground carrier terminal block		
 green-yellow	2020-1207	50

2-conductor/1-pin ground carrier terminal block		
 green-yellow	2020-1307	50

2-conductor/2-pin ground carrier terminal block		
 green-yellow	2020-1407	50


Accessories; item-specific			
End and intermediate plate; 1 mm thick			
	orange	2020-1292	100 (25)
	gray	2020-1291	100 (25)




Accessories; item-specific			
End and intermediate plate; 1 mm thick			
	orange	2020-1392	100 (25)
	gray	2020-1391	100 (25)




Accessories; item-specific			
End and intermediate plate; 1 mm thick			
	orange	2020-1492	100 (25)
	gray	2020-1491	100 (25)


Accessories; 2020 Series



Appropriate marking systems: WMB/WMB Inline/Marking strips


Push-in type jumper bar; insulated; I <sub>N</sub> 14 A; light gray			
	2-way	2000-402	25
	3-way	2000-403	25
	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25


Protective warning marker; with black high-voltage symbol; for 5 terminal blocks			
	yellow	2000-115	100 (25)
Carrier with 6 coding pins; for coding female plugs			
	orange	2020-100	100 (25)
Test pin; 1 mm Ø			
		859-500	1


Marking strip; plain; 11 mm wide; 50 m reel			
	white	2009-110	1
WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel			
	white	2009-113	1
WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width			
	plain	793-3501	5


Push-in type jumper bar; insulated; I <sub>N</sub> 14 A; light gray			
	1 to 3	2000-433	25
	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25


Test plug adapter; for 4 mm Ø test plug			
	gray	2009-174	100 (25)
Testing tap; for max. 2.5 mm <sup>2</sup>			
	gray	2009-182	100 (25)

Delta jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray			
	1-2 3-4 5-6	2000-406/020-000	25

1-conductor female plug			
	gray	2020-102	100

Star point jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray			
	1-3-5	2000-405/011-000	25

2-conductor female plug			
	gray	2020-202	100

Push-in type wire jumper; insulated; 0.75 mm <sup>2</sup> conductor cross-section; I <sub>N</sub> 9 A			
	L = 60 mm	2009-402	100 (10)
	L = 110 mm	2009-404	100 (10)
	L = 250 mm	2009-406	100 (10)

❶ Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st";  
Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and  
0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm"  
Depending on the conductor characteristic, a conductor  
with a smaller cross section can also be inserted  
via push-in termination.

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

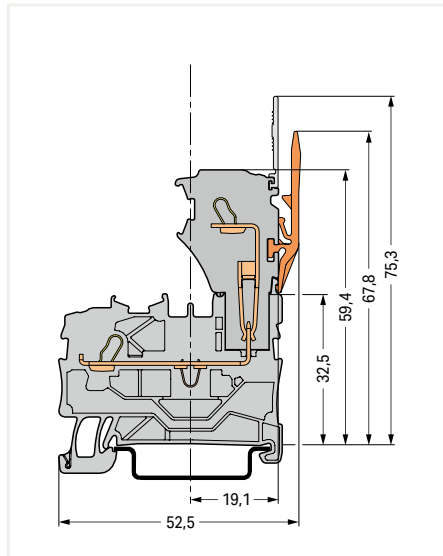
❸ Current-carrying capacity curves upon request

**Note:**

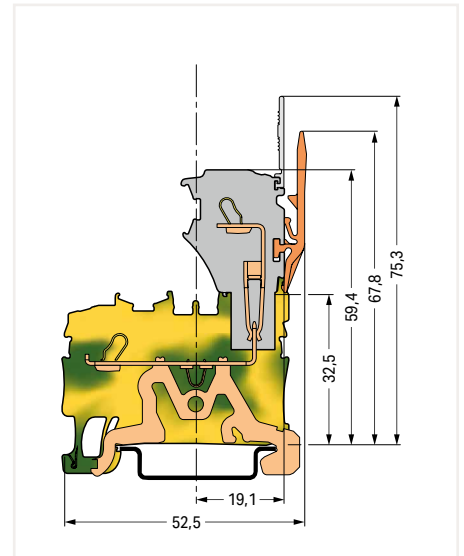
When used as intended, female plugs must not be  
connected/disconnected when live or under load.  
An appropriate end plate must be applied to the  
carrier terminal blocks after each female plug.

Please observe the application notes:  
Jumpers, from page 174  
Testing accessories, page 173  
Marking, from page 640

Approvals and corresponding ratings,  
visit [www.wago.com](http://www.wago.com)



Carrier terminal block



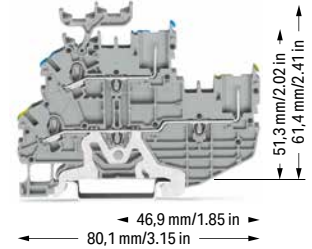
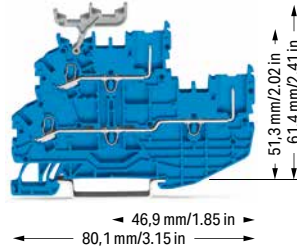
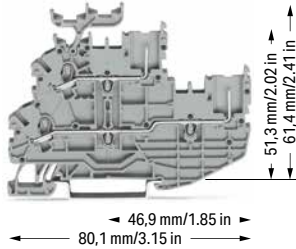
Ground carrier terminal block

# 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM-MINI 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Terminal block width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Terminal block width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Terminal block width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	



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

	Item No.	Pack. Unit
○ L/L	2020-2231	50
○ N/L	2020-2232	50
○ L/N	2020-2233	50

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

	Item No.	Pack. Unit
● N/N	2020-2234	50

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

	Item No.	Pack. Unit
○ PE/N	2020-2247	50
○ PE/L	2020-2257	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; gray

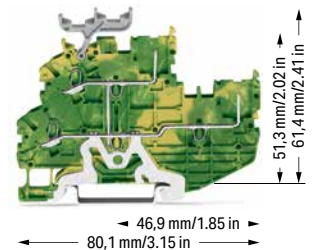
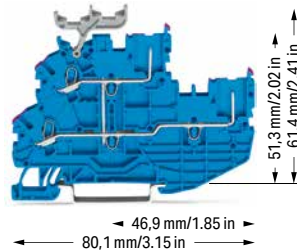
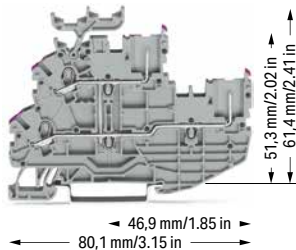
○ L/L	2020-2201	50
○ N/L	2020-2202	50
○ L/N	2020-2203	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; blue

● N/N	2020-2204	50
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1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; gray

○ PE/N	2020-2217	50
○ PE/L	2020-2227	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
○ L	2020-2238	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
● N	2020-2239	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
● PE	2020-2237	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

○ L	2020-2208	50
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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

● N	2020-2209	50
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2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier; internally commoned; green-yellow

● PE	2020-2207	50
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❶ Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st";  
Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and  
0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm"  
Depending on the conductor characteristic, a conductor  
with a smaller cross section can also be inserted  
via push-in termination.

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

❸ Current-carrying capacity curves upon request

**Note:**

When used as intended, female plugs must not be  
connected/disconnected when live or under load.  
An appropriate end plate must be applied to the  
carrier terminal blocks after each female plug.


Please observe the application notes:  
Jumpers, from page 174  
Testing accessories, page 173  
Marking, from page 640

Approvals and corresponding ratings,  
visit [www.wago.com](http://www.wago.com)


**Accessories; 2020 Series**

Appropriate marking systems:  
WMB/WMB Inline/Marking strips


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

	orange	2020-2292	100 (25)
	gray	2020-2291	100 (25)


**Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray**

	2-way	2000-402	25
	3-way	2000-403	25
	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25

**Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray**

	1 to 3	2000-433	25
	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25


**Double-deck vertical jumper; insulated; I<sub>N</sub> 13.5 A**

	light gray	2000-492	100 (25)
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**Protective warning marker; with black high-voltage  
symbol; for 5 terminal blocks**

	yellow	2000-115	100 (25)
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**Carrier with 6 coding pins; for coding female plugs**

	orange	2020-100	100 (25)
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**Test pin; 1 mm Ø**

		859-500	1
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**Accessories; 2020 Series**

Appropriate marking systems:  
WMB/WMB Inline/Marking strips

**Test plug adapter; for 4 mm Ø test plug**

	gray	2009-174	100 (25)
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**Testing tap; for max. 2.5 mm<sup>2</sup>**

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

	gray	2020-102	100
---	------	----------	-----


**2-conductor female plug**

	gray	2020-202	100
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**Marking strip; plain; 11 mm wide; 50 m reel**

	white	2009-110	1
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**WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel**

	white	2009-113	1
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**WMB marking card; white; 10 strips with 10 markers/card;  
for 3.5 mm terminal block width**

	plain	793-3501	5
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**Double-deck marker carrier; pivoting**

	gray	2000-121	50 (25)
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Size comparison:  
Double-deck carrier terminal blocks with 3.5 mm and  
5.2 mm terminal block widths



# 1-Conductor Female Plug, 2-Conductor Female Plug X-COM®S-SYSTEM-MINI

## 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ❶	24 ... 16 AWG
500 V/6 kV/3 ❷	300 V, 15 A ❸
I <sub>N</sub> 13.5 A ❸	300 V, 10 A ❸
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ❶	24 ... 16 AWG
500 V/6 kV/3 ❷	300 V, 15 A ❸
I <sub>N</sub> 13.5 A ❸	300 V, 10 A ❸
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

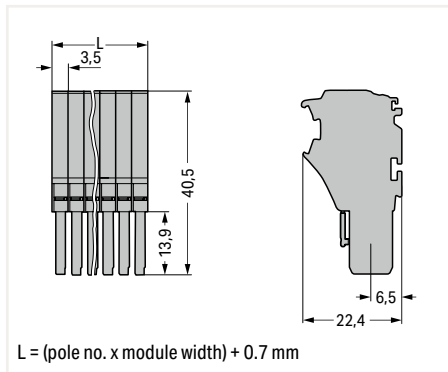
- ❶ Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- ❷ 500 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree (see Section 15)
- ❸ Current-carrying capacity curves upon request

Item no. suffixes  
 blue .../000-006  
 green-yellow .../000-016

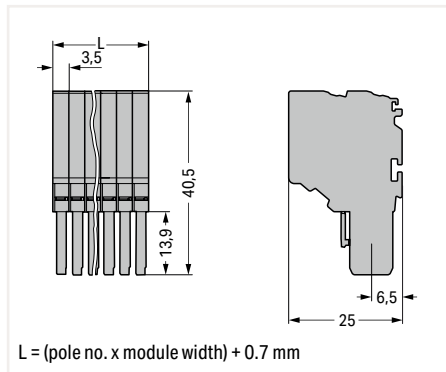
Approvals and corresponding ratings, visit [www.wago.com](http://www.wago.com)



Dimensions (in mm):



Dimensions (in mm):



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.  
 Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

2-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.  
 Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Pole No.	Item No.	Pack. Unit
2	2020-102	100
3	2020-103	50
4	2020-104	50
5	2020-105	50
6	2020-106	50
7	2020-107	25
8	2020-108	25
9	2020-109	25
10	2020-110	25
11	2020-111	20
12	2020-112	20
13	2020-113	10
14	2020-114	10
15	2020-115	10

Pole No.	Item No.	Pack. Unit
2	2020-202	100
3	2020-203	50
4	2020-204	50
5	2020-205	50
6	2020-206	25
7	2020-207	25
8	2020-208	25
9	2020-209	25
10	2020-210	25
11	2020-211	20
12	2020-212	20
13	2020-213	10
14	2020-214	10
15	2020-215	10

**Accessories; for female plugs**

Appropriate marking systems: WMB/WMB Inline

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

yellow	2000-115	100 (25)
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Locking lever; 4.8 mm wide

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



Carrier with 6 coding pins; for coding female plugs

orange	2020-100	100 (25)
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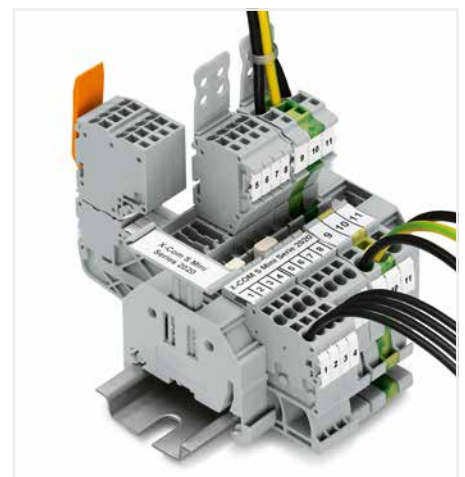


Locking lever; 9.6 mm wide

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



X-COM®S-SYSTEM terminal block assembly



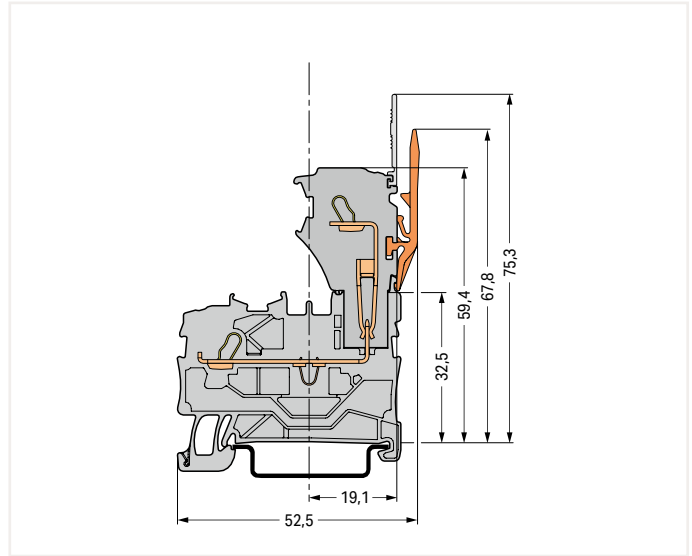
X-COM®S-SYSTEM terminal block assembly

## Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®S-SYSTEM-MINI Types of Assembly

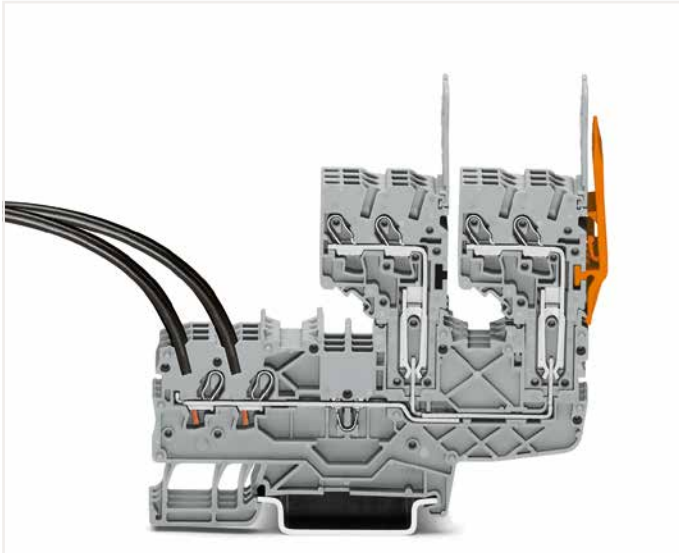
2



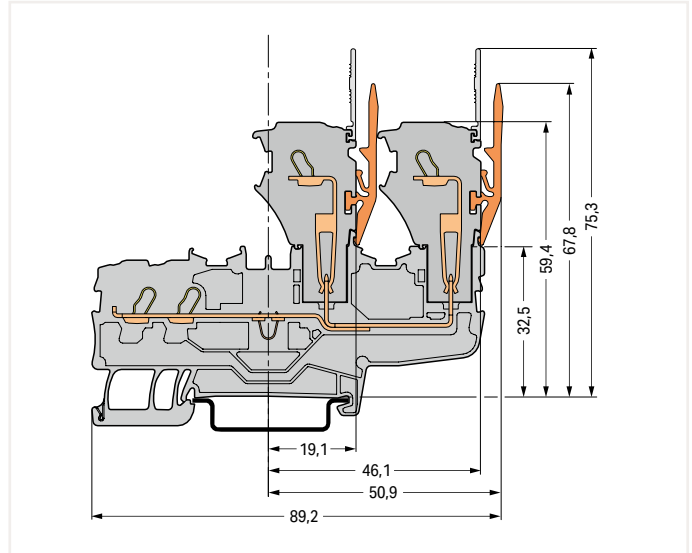
1-conductor female plug  
Carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



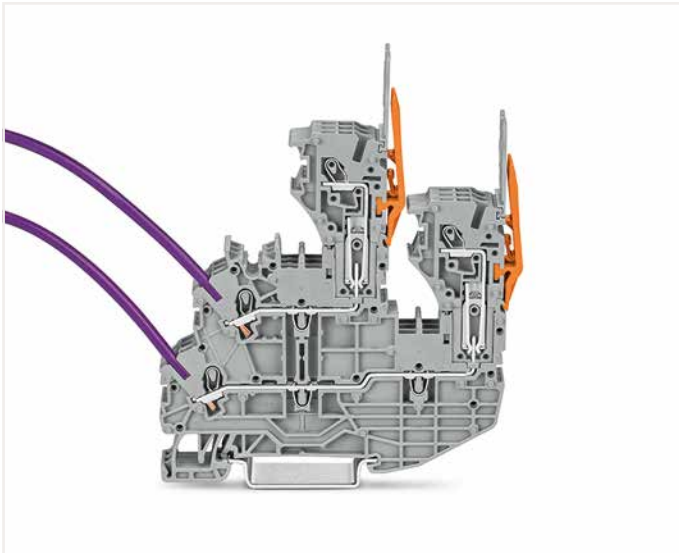
Carrier terminal block



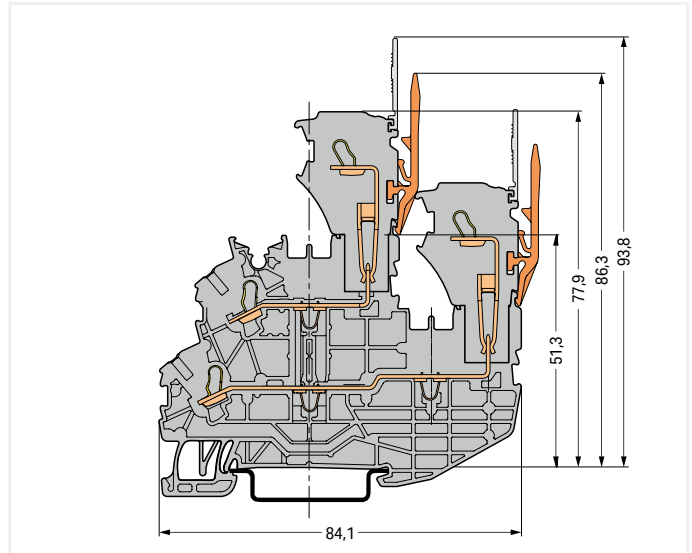
2-conductor female plug  
Carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



Carrier terminal block



1-conductor female plug  
Double-deck carrier terminal blocks can be commoned via 2000 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-MINI 1 (1.5) mm<sup>2</sup>; 2020 Series


### Technical Data

0.14 ... 1 (1.5) mm<sup>2</sup> ① 24 ... 16 AWG

500 V/6 kV/3 ② 300 V, 15 A ③

I<sub>N</sub> 13.5 A ③ 300 V, 10 A ④

Terminal block width: 3.5 mm / 0.138 inch

 9 ... 11 mm / 0.35 ... 0.43 inch


### Technical Data

0.14 ... 1 (1.5) mm<sup>2</sup> ① 24 ... 16 AWG

500 V/6 kV/3 ② 300 V, 15 A ③

I<sub>N</sub> 13.5 A ③ 300 V, 10 A ④

Terminal block width: 3.5 mm / 0.138 inch

 9 ... 11 mm / 0.35 ... 0.43 inch

① Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

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

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.




Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Approvals and corresponding ratings, visit [www.wago.com](http://www.wago.com)


### 1-conductor end module; codable

Color	Item No.	Pack. Unit
 gray	2020-181	250
 blue	2020-184	250
 green-yellow	2020-187	250




### 2-conductor end module; codable

Color	Item No.	Pack. Unit
 gray	2020-281	250
 blue	2020-284	250
 green-yellow	2020-287	250

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

 gray	2020-161	250
 blue	2020-164	250
 green-yellow	2020-167	250

### 2-conductor base module; with end plate; codable

 gray	2020-261	250
 blue	2020-264	250
 green-yellow	2020-267	250

### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline

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



yellow 2000-115 100 (25)

Carrier with 6 coding pins; for coding female plugs



orange 2020-100 100 (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)

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)

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



white 2009-113 1

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width



plain 793-3501 5

**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-MINI female plug consists of:

- One base module with end plate
- Up to 14 end modules

**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**

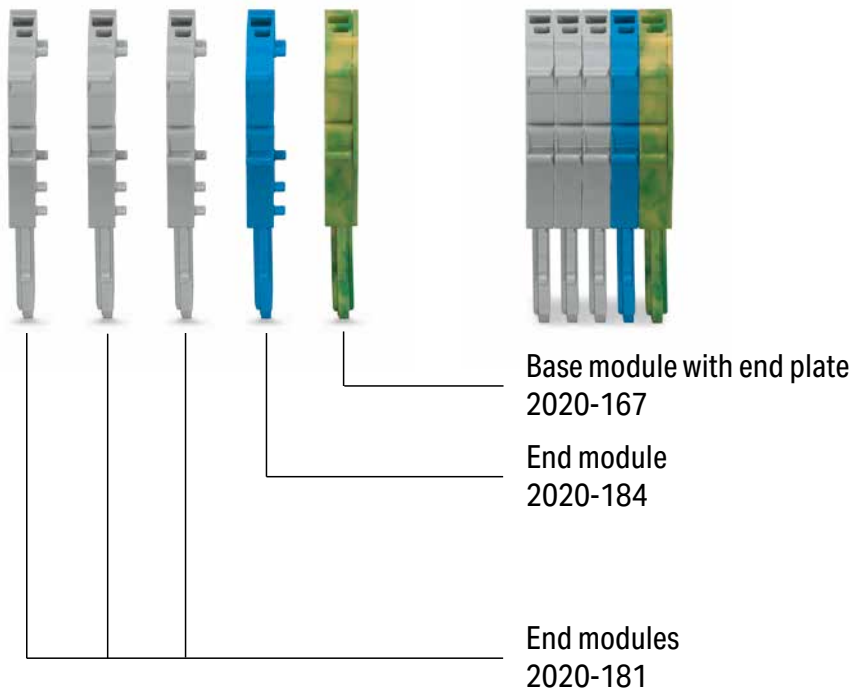
The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking latches.



End module



Base module

**Example: 5-Pole, 1-Conductor Female Plug**

## Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM-MINI 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ④
I <sub>N</sub> 13.5 A ③	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ④
I <sub>N</sub> 13.5 A ③	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ④
I <sub>N</sub> 13.5 A ③	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	



1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-103/000-036	50
4	2020-104/000-036	50
5	2020-105/000-036	50
6	2020-106/000-036	50
7	2020-107/000-036	25
8	2020-108/000-036	25
9	2020-109/000-036	25
10	2020-110/000-036	25
11	2020-111/000-036	20
12	2020-112/000-036	20
13	2020-113/000-036	10
14	2020-114/000-036	10
15	2020-115/000-036	10

1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-103/000-037	50
4	2020-104/000-037	50
5	2020-105/000-037	50
6	2020-106/000-037	50
7	2020-107/000-037	25
8	2020-108/000-037	25
9	2020-109/000-037	25
10	2020-110/000-037	25
11	2020-111/000-037	20
12	2020-112/000-037	20
13	2020-113/000-037	10
14	2020-114/000-037	10
15	2020-115/000-037	10

1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-103/000-038	50
4	2020-104/000-038	50
5	2020-105/000-038	50
6	2020-106/000-038	50
7	2020-107/000-038	25
8	2020-108/000-038	25
9	2020-109/000-038	25
10	2020-110/000-038	25
11	2020-111/000-038	20
12	2020-112/000-038	20
13	2020-113/000-038	10
14	2020-114/000-038	10
15	2020-115/000-038	10

### 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	2000-115	100 (25)
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Carrier with 6 coding pins; for coding female plugs

orange	2020-100	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)



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)



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

white	2009-110	1
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WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel

white	2009-113	1
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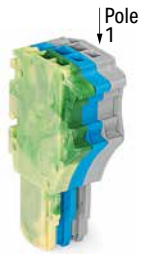
WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain	793-3501	5
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## Technical Data

0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ③	300 V, 10 A ③
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	



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

Pole No.	Item No.	Pack. Unit
3	2020-103/000-039	50
4	2020-104/000-039	50
5	2020-105/000-039	50
6	2020-106/000-039	50
7	2020-107/000-039	25
8	2020-108/000-039	25
9	2020-109/000-039	25
10	2020-110/000-039	25
11	2020-111/000-039	20
12	2020-112/000-039	20
13	2020-113/000-039	10
14	2020-114/000-039	10
15	2020-115/000-039	10

① Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st";  
Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and  
0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm"  
Depending on the conductor characteristic, a conductor  
with a smaller cross section can also be inserted  
via push-in termination.

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

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.

Notice: An appropriate end plate must be applied to  
the carrier terminal blocks after each female plug.

Approvals and corresponding ratings,  
visit [www.wago.com](http://www.wago.com)

## Pre-Assembled 2-Conductor Female Plug X-COM®S-SYSTEM-MINI 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	



2-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-203/000-036	50
4	2020-204/000-036	50
5	2020-205/000-036	50
6	2020-206/000-036	50
7	2020-207/000-036	25
8	2020-208/000-036	25
9	2020-209/000-036	25
10	2020-210/000-036	25
11	2020-211/000-036	20
12	2020-212/000-036	20
13	2020-213/000-036	10
14	2020-214/000-036	10
15	2020-215/000-036	10

2-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-203/000-037	50
4	2020-204/000-037	50
5	2020-205/000-037	50
6	2020-206/000-037	50
7	2020-207/000-037	25
8	2020-208/000-037	25
9	2020-209/000-037	25
10	2020-210/000-037	25
11	2020-211/000-037	20
12	2020-212/000-037	20
13	2020-213/000-037	10
14	2020-214/000-037	10
15	2020-215/000-037	10

2-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-203/000-038	50
4	2020-204/000-038	50
5	2020-205/000-038	50
6	2020-206/000-038	50
7	2020-207/000-038	25
8	2020-208/000-038	25
9	2020-209/000-038	25
10	2020-210/000-038	25
11	2020-211/000-038	20
12	2020-212/000-038	20
13	2020-213/000-038	10
14	2020-214/000-038	10
15	2020-215/000-038	10

### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline

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

yellow	2000-115	100 (25)
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Carrier with 6 coding pins; for coding female plugs

orange	2020-100	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)



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)



WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel

white	2009-113	1
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WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain	793-3501	5
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## Technical Data

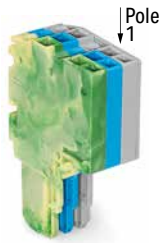
0.14 ... 1 (1.5) mm<sup>2</sup> ① | 24 ... 16 AWG

500 V/6 kV/3 ② | 300 V, 15 A ③

I<sub>N</sub> 13.5 A ③ | 300 V, 10 A ③

Module width: 3.5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch



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

Pole No.	Item No.	Pack. Unit
3	2020-203/000-039	50
4	2020-204/000-039	50
5	2020-205/000-039	50
6	2020-206/000-039	50
7	2020-207/000-039	25
8	2020-208/000-039	25
9	2020-209/000-039	25
10	2020-210/000-039	25
11	2020-211/000-039	20
12	2020-212/000-039	20
13	2020-213/000-039	10
14	2020-214/000-039	10
15	2020-215/000-039	10

① Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st";  
Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and  
0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm"  
Depending on the conductor characteristic, a conductor  
with a smaller cross section can also be inserted  
via push-in termination.

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

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.

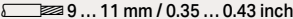
Notice: An appropriate end plate must be applied to  
the carrier terminal blocks after each female plug.

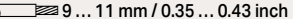
Approvals and corresponding ratings,  
visit [www.wago.com](http://www.wago.com)

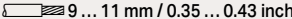


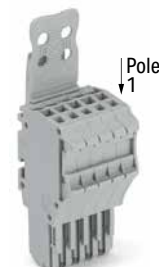
# 1-Conductor Female Plug X-COM®S-SYSTEM-MINI; with Lateral Locking Lever and Strain Relief Plate

## 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
	



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

Pole No.	Item No.	Pack. Unit
○ 2	2020-102/122-000	100
○ 3	2020-103/122-000	50
○ 4	2020-104/124-000	50
○ 5	2020-105/124-000	50
○ 6	2020-106/124-000	25
○ 7	2020-107/124-000	25
○ 8	2020-108/124-000	25
○ 9	2020-109/124-000	25
○ 10	2020-110/125-000	25
○ 11	2020-111/125-000	20
○ 12	2020-112/125-000	20
○ 13	2020-113/125-000	10
○ 14	2020-114/125-000	10
○ 15	2020-115/125-000	10

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

Pole No.	Item No.	Pack. Unit
○ 2	2020-102/132-000	100
○ 3	2020-103/132-000	50
○ 4	2020-104/133-000	50
○ 5	2020-105/133-000	50
○ 6	2020-106/133-000	25
○ 7	2020-107/134-000	25
○ 8	2020-108/134-000	25
○ 9	2020-109/134-000	25
○ 10	2020-110/135-000	25
○ 11	2020-111/135-000	20
○ 12	2020-112/135-000	20
○ 13	2020-113/135-000	10
○ 14	2020-114/135-000	10
○ 15	2020-115/135-000	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
○ 2	2020-102/142-000	100
○ 3	2020-103/142-000	50
○ 4	2020-104/143-000	50
○ 5	2020-105/143-000	50
○ 6	2020-106/143-000	25
○ 7	2020-107/144-000	25
○ 8	2020-108/144-000	25
○ 9	2020-109/144-000	25
○ 10	2020-110/145-000	25
○ 11	2020-111/145-000	20
○ 12	2020-112/145-000	20
○ 13	2020-113/145-000	10
○ 14	2020-114/145-000	10
○ 15	2020-115/145-000	10


### 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	2000-115	100 (25)
---	--------	----------	----------


Carrier with 6 coding pins; for coding female plugs

	orange	2020-100	100 (25)
---	--------	----------	----------


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

	white	2009-110	1
---	-------	----------	---

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel

	white	2009-113	1
---	-------	----------	---

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

	plain	793-3501	5
---	-------	----------	---

❶ Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st";  
 Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and  
 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm"  
 Depending on the conductor characteristic, a conductor  
 with a smaller cross section can also be inserted  
 via push-in termination.

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

❸ Current-carrying capacity curves upon request

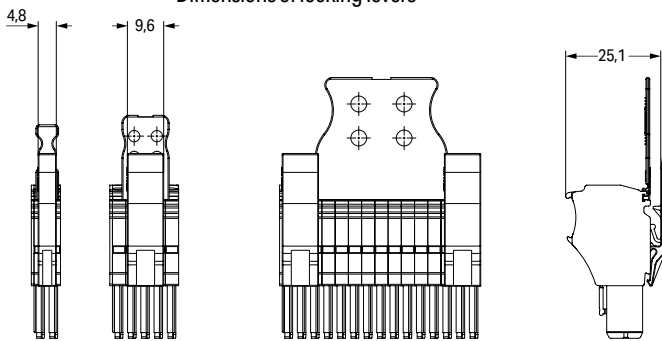
**Note:**  
 According to EN 61984, pluggable connectors without  
 a current interrupting capacity must not be mated or  
 unmated when live or under load.  
 Notice: An appropriate end plate must be applied to  
 the carrier terminal blocks after each female plug.

Approvals and corresponding ratings,  
 visit [www.wago.com](http://www.wago.com)

Strain Relief Plate (SRP), Gray				Locking Lever (LL), Gray				SRP and LL, Gray
Assembled				Assembled				Assembled
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	2 to 3	1	/122-0xx	-	/142-0xx
734-328	gray	12.5mm	/133-0xx	4 to 6	1	-	/124-0xx	/143-0xx
734-329	gray	25mm	/134-0xx	7 to 9	1	-	/124-0xx	/144-0xx
734-326	gray	35mm	/135-0xx	10 to 15	2	-	/125-0xx	/145-0xx

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	2020-102	none
2- to 15-pole	blue green-yellow	to 2020-115	/000-006 /000-016

Dimensions of strain relief plates

## 2-Conductor Female Plug X-COM®S-SYSTEM-MINI; with Lateral Locking Lever and Strain Relief Plate

### 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	

Technical Data	
0.14 ... 1 (1.5) mm <sup>2</sup> ①	24 ... 16 AWG
500 V/6 kV/3 ②	300 V, 15 A ③
I <sub>N</sub> 13.5 A ④	300 V, 10 A ⑤
Module width: 3.5 mm / 0.138 inch	
9 ... 11 mm / 0.35 ... 0.43 inch	



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

Pole No.	Item No.	Pack. Unit
○ 2	2020-202/122-000	100
○ 3	2020-203/122-000	50
○ 4	2020-204/124-000	50
○ 5	2020-205/124-000	50
○ 6	2020-206/124-000	25
○ 7	2020-207/124-000	25
○ 8	2020-208/124-000	25
○ 9	2020-209/124-000	25
○ 10	2020-210/125-000	25
○ 11	2020-211/125-000	20
○ 12	2020-212/125-000	20
○ 13	2020-213/125-000	10
○ 14	2020-214/125-000	10
○ 15	2020-215/125-000	10

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

Pole No.	Item No.	Pack. Unit
○ 2	2020-202/132-000	100
○ 3	2020-203/132-000	50
○ 4	2020-204/133-000	50
○ 5	2020-205/133-000	50
○ 6	2020-206/133-000	25
○ 7	2020-207/134-000	25
○ 8	2020-208/134-000	25
○ 9	2020-209/134-000	25
○ 10	2020-210/135-000	25
○ 11	2020-211/135-000	20
○ 12	2020-212/135-000	20
○ 13	2020-213/135-000	10
○ 14	2020-214/135-000	10
○ 15	2020-215/135-000	10

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

Pole No.	Item No.	Pack. Unit
○ 2	2020-202/142-000	100
○ 3	2020-203/142-000	50
○ 4	2020-204/143-000	50
○ 5	2020-205/143-000	50
○ 6	2020-206/143-000	25
○ 7	2020-207/144-000	25
○ 8	2020-208/144-000	25
○ 9	2020-209/144-000	25
○ 10	2020-210/145-000	25
○ 11	2020-211/145-000	20
○ 12	2020-212/145-000	20
○ 13	2020-213/145-000	10
○ 14	2020-214/145-000	10
○ 15	2020-215/145-000	10


#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline


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

	yellow	2000-115	100 (25)
--	--------	----------	----------


Carrier with 6 coding pins; for coding female plugs

	orange	2020-100	100 (25)
--	--------	----------	----------

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel

	white	2009-113	1
--	-------	----------	---

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

	plain	793-3501	5
--	-------	----------	---

❶ Conductor range: 0.14 ... 1.5 mm² "s+f-st";  
 Push-in termination: 0.5 ... 1.5 mm² "s" and  
 0.5 ... 0.75 mm² "insulated ferrules; 10 mm"  
 Depending on the conductor characteristic, a conductor  
 with a smaller cross section can also be inserted  
 via push-in termination.

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

❸ Current-carrying capacity curves upon request

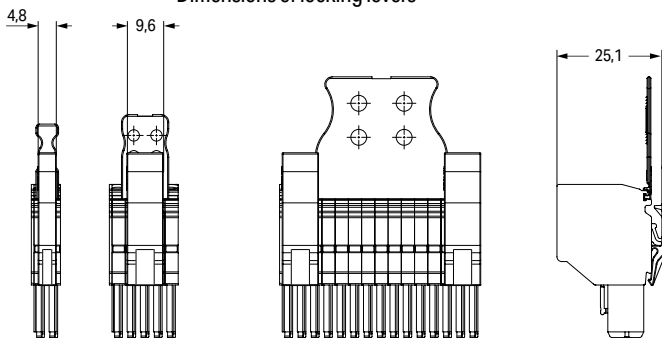
**Note:**  
 According to EN 61984, pluggable connectors without  
 a current interrupting capacity must not be mated or  
 unmated when live or under load.  
 Notice: An appropriate end plate must be applied to  
 the carrier terminal blocks after each female plug.

Approvals and corresponding ratings,  
 visit [www.wago.com](http://www.wago.com)

Strain Relief Plate (SRP), Gray				Locking Lever (LL), Gray				SRP and LL, Gray
Assembled				Assembled				Assembled
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	2 to 3	1	/122-0xx	-	/142-0xx
734-328	gray	12.5mm	/133-0xx	4 to 6	1	-	/124-0xx	/143-0xx
734-329	gray	25mm	/134-0xx	7 to 9	1	-	/124-0xx	/144-0xx
734-326	gray	35mm	/135-0xx	10 to 15	2	-	/125-0xx	/145-0xx

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

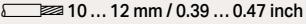


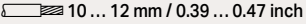
Description	Color	Item No.	Suffix No.
2-conductor female plug	gray	2020-202	none
2- to 15-pole	blue	to	/000-006
	green-yellow	2020-215	/000-016

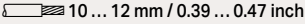
Dimensions of strain relief plates

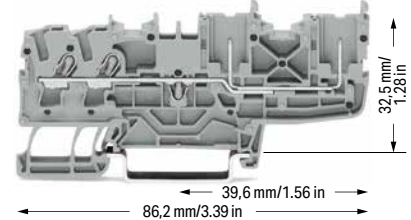
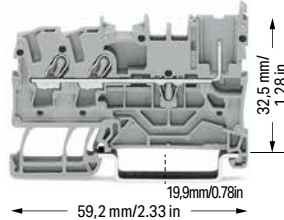
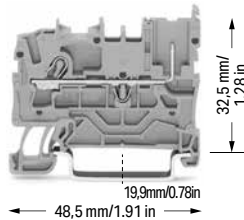
# 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM




## 2.5 (4) mm<sup>2</sup>; 2022 Series




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




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


Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I <sub>N</sub> 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 carrier terminal block		
Color	Item No.	Pack. Unit
 gray	2022-1201	100
 blue	2022-1204	100
 orange	2022-1202	100



2-conductor/1-pin carrier terminal block		
Color	Item No.	Pack. Unit
 gray	2022-1301	100
 blue	2022-1304	100
 orange	2022-1302	100



2-conductor/2-pin carrier terminal block		
Color	Item No.	Pack. Unit
 gray	2022-1401	50
 blue	2022-1404	50
 orange	2022-1402	50



1-conductor/1-pin ground carrier terminal block		
 green-yellow	2022-1207	100

2-conductor/1-pin ground carrier terminal block		
 green-yellow	2022-1307	100

2-conductor/2-pin ground carrier terminal block		
 green-yellow	2022-1407	50

Accessories; item-specific			
End and intermediate plate; 1 mm thick			
	orange	2022-1292	100 (25)
	gray	2022-1291	100 (25)


Accessories; item-specific			
End and intermediate plate; 1 mm thick			
	orange	2022-1392	100 (25)
	gray	2022-1391	100 (25)


Accessories; item-specific			
End and intermediate plate; 1 mm thick			
	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 mm <sup>2</sup>			
	light gray	2002-171	200 (25)


Delta jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray			
	1-2 3-4 5-6	2002-406/020-000	25


Push-in type wire jumper; insulated; 1.5 mm <sup>2</sup> conductor cross-section; I <sub>N</sub> 18 A			
	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
	L = 250 mm	2009-416	100 (10)


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


Star point jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray			
	1-3-5	2002-405/011-000	25


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


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


Staggered jumper; insulated; I <sub>N</sub> 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


Test pin; 1 mm Ø			
		859-500	1


Push-in type jumper bar; insulated; I <sub>N</sub> 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


Adjacent jumper for continuous commoning; insulated; I <sub>N</sub> 25 A, light gray			
	2-way	2002-400	25


1-conductor female plug			
	gray	2022-101	200

Push-in type jumper bar; insulated; I <sub>N</sub> 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 <sub>N</sub> 25 A; 1 to 3			
	light gray	2002-423	25
	red	2002-423/000-005	25
	blue	2002-423/000-006	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

❶ Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st";  
Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup>  
"insulated ferrules, 12 mm"  
Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

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

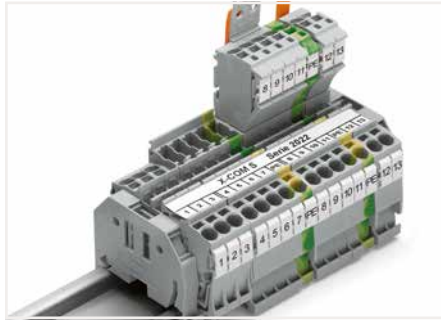
❸ Current-carrying capacity curves upon request

**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 174  
Marking, from page 640

Approvals and corresponding ratings,  
visit [www.wago.com](http://www.wago.com)

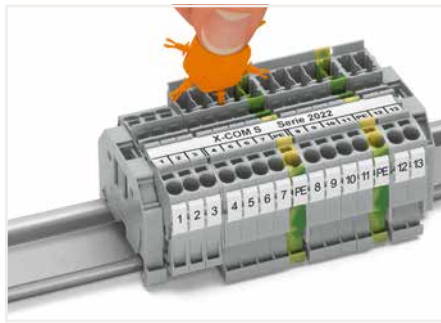


2022 Series X-COM®S-SYSTEM Carrier Terminal Blocks combined with 2002 Series Through Terminal Blocks



Carrier terminal blocks and female plugs are touch-proof.

2



Insert coding pin into the corresponding slot and twist it off.



# 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<sub>N</sub> 24 A (28 A) ②

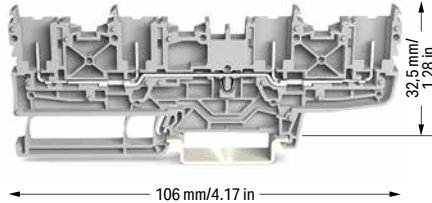
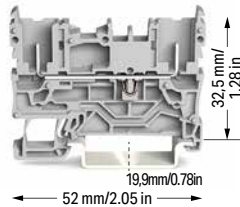
Terminal block width: 5.2 mm / 0.205 inch

### Technical Data

690 V/6 kV/3 ①

I<sub>N</sub> 24 A (27 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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### 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	2022-1692	100 (25)
gray	2022-1691	100 (25)

### 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<sub>N</sub> 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<sub>N</sub> 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<sub>N</sub> = I<sub>N</sub> terminal block; light gray

1-2 3-4 5-6	2002-406/020-000	25
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### Star point jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray

1-3-5	2002-405/011-000	25
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### Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

2-way	2002-400	25
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### Staggered jumper; insulated; I<sub>N</sub> 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<sub>N</sub> 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 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 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)
--------	----------	----------

### 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 174

Marking, from page 640

Approvals and corresponding ratings, visit [www.wago.com](http://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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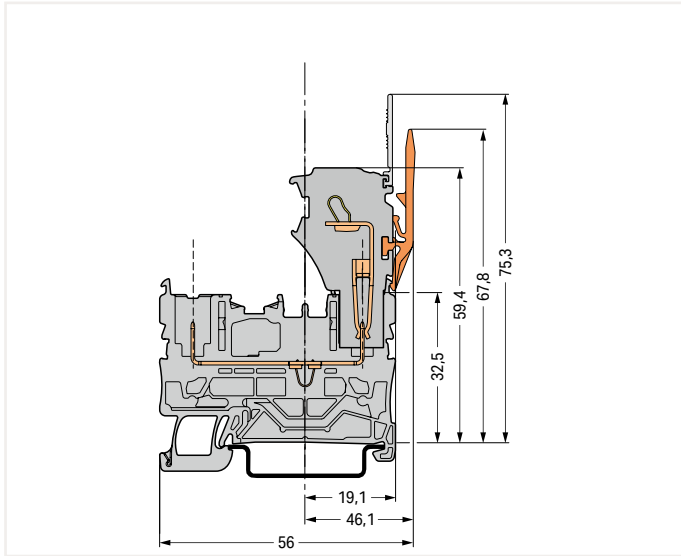
### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

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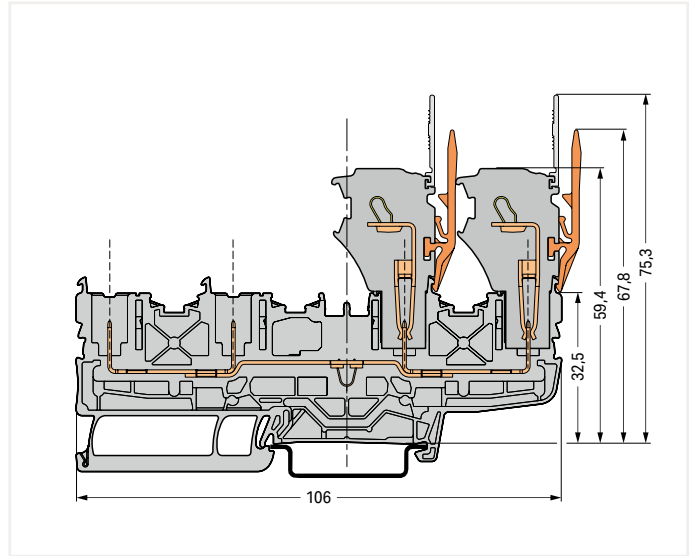
# Carrier Terminal Blocks and 1-Conductor Female Plugs X-COM®S-SYSTEM

## Types of Assembly

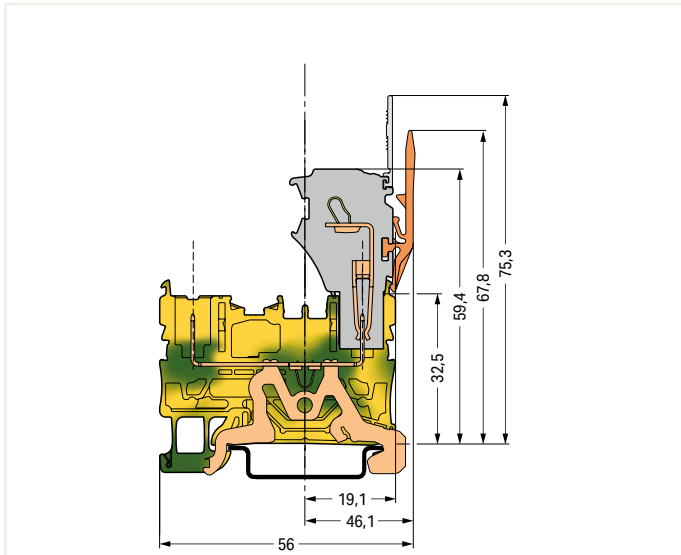
2



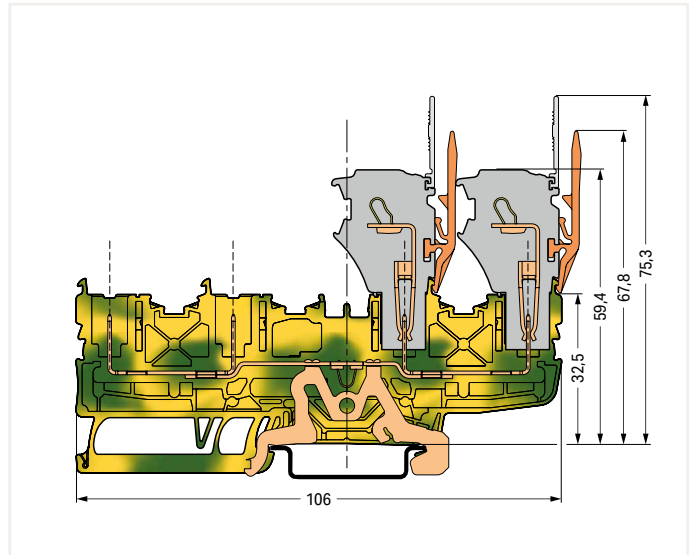
Carrier terminal block



Carrier terminal block



Ground carrier terminal block

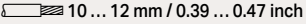


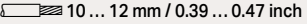
Ground carrier terminal block

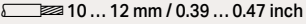


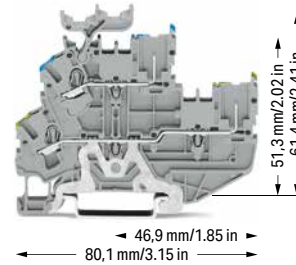
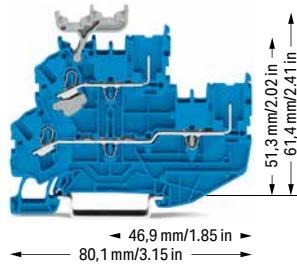
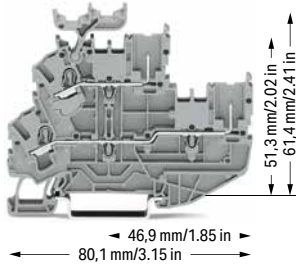
# 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM

## 2.5 (4) mm<sup>2</sup>; 2022 Series

Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I <sub>N</sub> 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	

Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I <sub>N</sub> 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	

Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I <sub>N</sub> 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
○ L/L	2022-2231	50
○ N/L	2022-2232	50
○ L/N	2022-2233	50

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

	Item No.	Pack. Unit
● N/N	2022-2234	50

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

	Item No.	Pack. Unit
○ PE/N	2022-2247	50
○ PE/L	2022-2257	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; gray

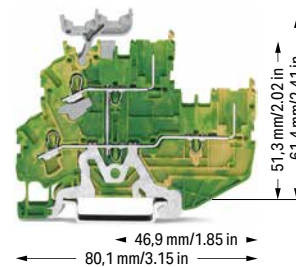
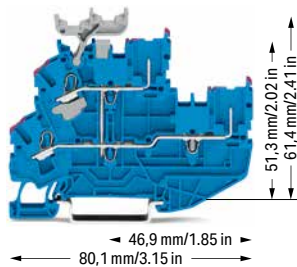
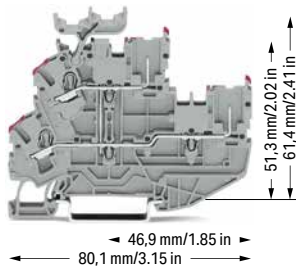
○ L/L	2022-2201	50
○ N/L	2022-2202	50
○ L/N	2022-2203	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; blue

● N/N	2022-2204	50
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1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; gray

○ PE/N	2022-2217	50
○ 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
○ 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

● N	2022-2239	50
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2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; with marker carrier, internally commoned; green-yellow

● PE	2022-2237	50
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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

○ L	2022-2208	50
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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

● N	2022-2209	50
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2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier, internally commoned; green-yellow

● PE	2022-2207	50
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1 Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st";  
Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "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 174  
Marking, from page 640

Approvals and corresponding ratings,  
visit [www.wago.com](http://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 mm<sup>2</sup>**

	light gray	2002-171	200 (25)
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**Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>**

	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<sub>N</sub> 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<sub>N</sub> 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<sub>N</sub> 25 A, light gray**

	2-way	2002-400	25
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**Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 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<sub>N</sub> 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 mm<sup>2</sup>**

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

	gray	2022-101	200
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**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**

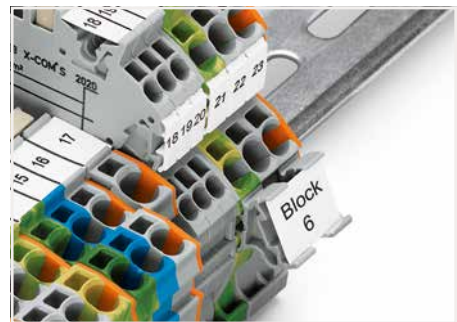
	plain	793-5501	5
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**Double-deck marker carrier; pivoting**

	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

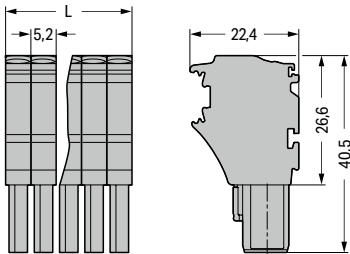
## 2.5 (4) mm<sup>2</sup>; 2022 Series

### Technical Data

0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I <sub>N</sub> 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 mm<sup>2</sup>

light gray	2002-171	200 (25)
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#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray	2002-172	200 (25)
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- Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm"  
Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 690 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree
- 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](http://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)
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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)
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#### 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

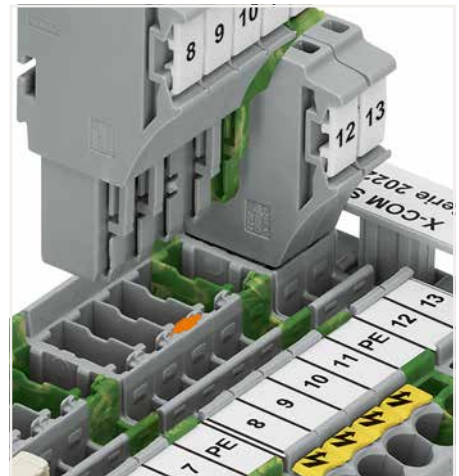
white	2009-115	1
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#### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain	793-5501	5
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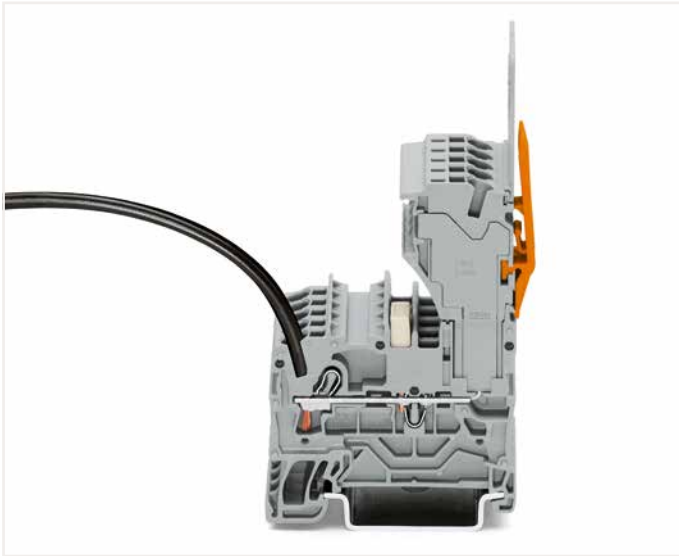
Coding a female plug: remove coding finger using a suitable tool.



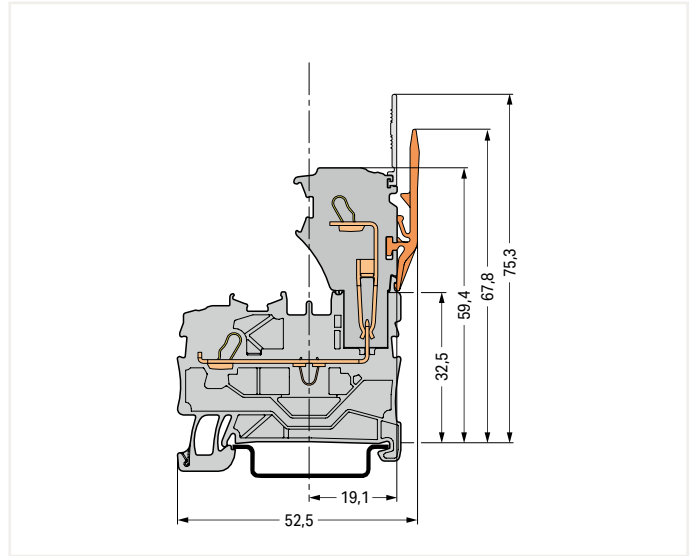
Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

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

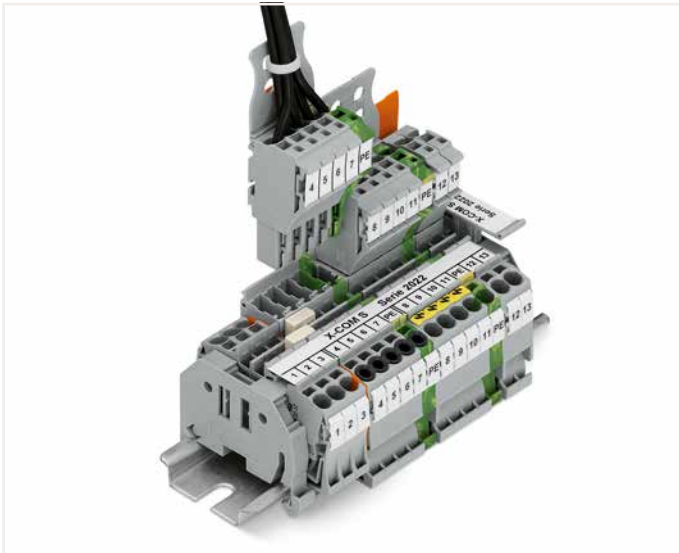
## Types of Assembly



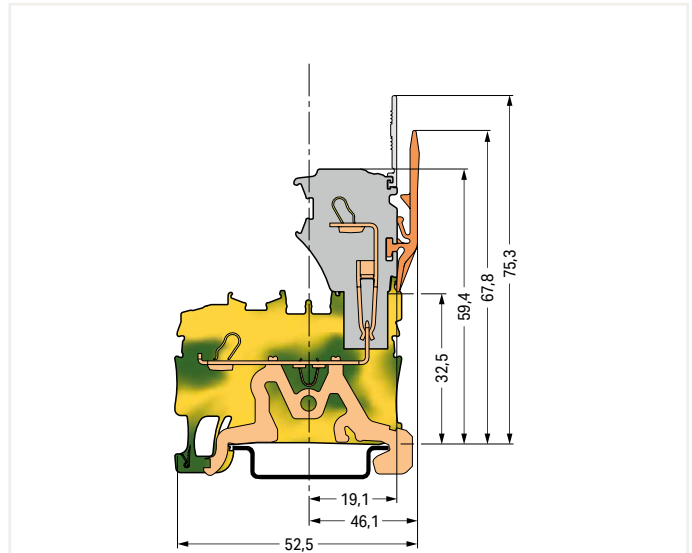
1-conductor female plug  
Carrier terminal blocks can be commoned via 2002 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



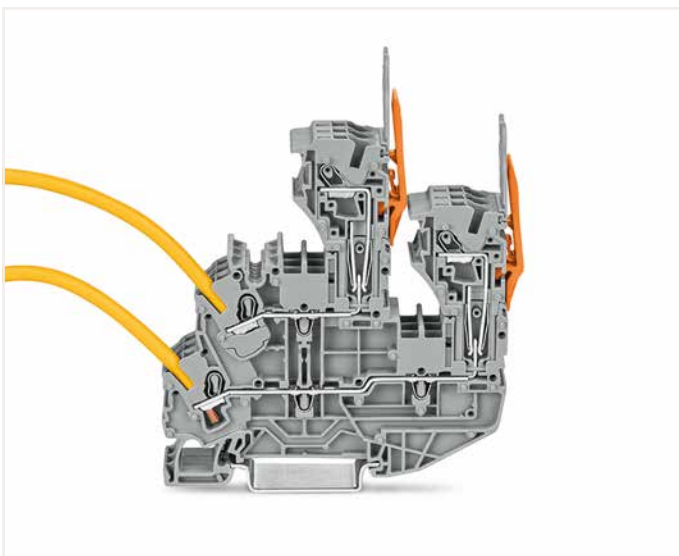
Carrier terminal block



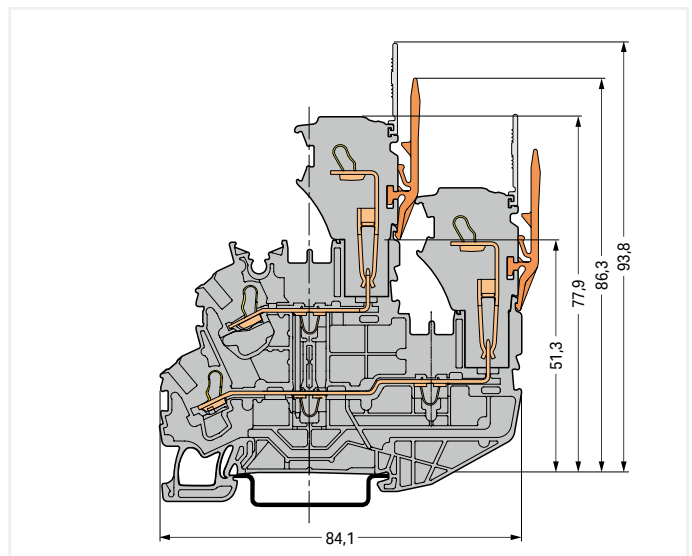
X-COM®S-SYSTEM terminal block assembly



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) mm<sup>2</sup>; 2022 Series


#### Technical Data

0.25 ... 2.5 (4) mm<sup>2</sup> ① 22 ... 12 AWG

690 V/6 kV/3 ② 600 V, 20 A<sup>III</sup>





I<sub>N</sub> 24 A (32 A) ③ 600 V, 20 A<sup>II</sup>

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 mm<sup>2</sup>

 light gray	2002-171	200 (25)
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#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

 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)
---	----------	----------


#### 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 mm<sup>2</sup> "s+f-st";  
Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "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](http://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
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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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#### 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:

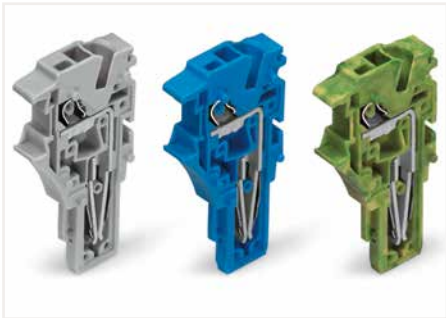
- One base module with an integrated end plate
- Up to 13 center modules (corresponding to a 15-pole female plug = maximum pole number)
- One end module

#### 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

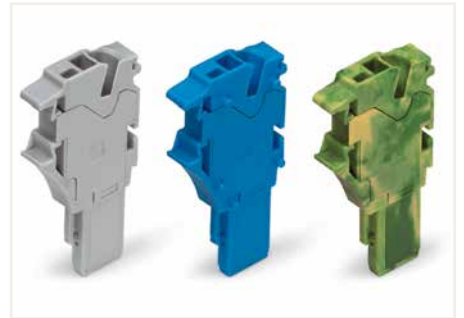
The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking latches.



End module

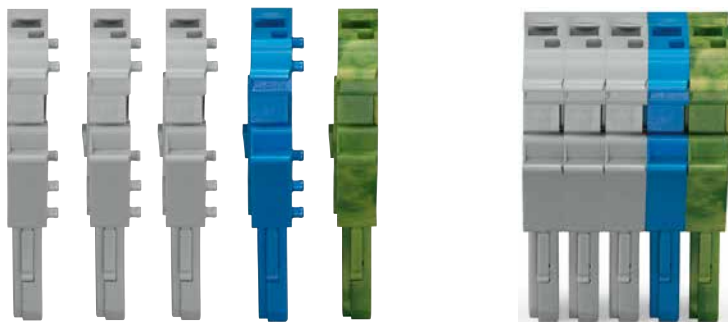


Center module



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) mm<sup>2</sup>; 2022 Series

Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I <sub>N</sub> 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 <sup>2</sup> ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I <sub>N</sub> 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 <sup>2</sup> ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A ③
I <sub>N</sub> 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 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<sup>2</sup>

light gray	2002-171	200 (25)
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Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

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)
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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
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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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## Technical Data

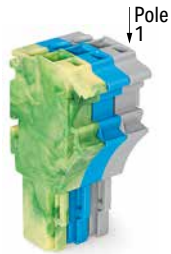
0.25 ... 2.5 (4) mm<sup>2</sup> ① | 22 ... 12 AWG

690 V/6 kV/3 ② | 600 V, 20 A ③

I<sub>N</sub> 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 mm<sup>2</sup> "s+f-st";  
Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "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](http://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) mm² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A
I <sub>N</sub> 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) mm² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A
I <sub>N</sub> 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) mm² ①	22 ... 12 AWG
690 V/6 kV/3 ②	600 V, 20 A
I <sub>N</sub> 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 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)
------------	----------	----------

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

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

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

yellow	2002-115	100 (25)
--------	----------	----------

Carrier with 6 coding pins; for coding female plugs

orange	2022-100	100 (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
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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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① Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st";  
 Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup>  
 "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

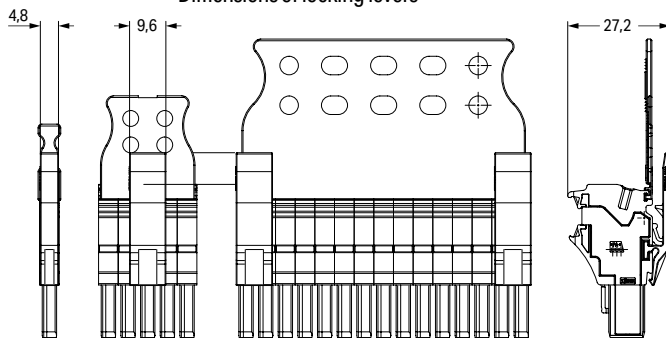
**Note:**  
 According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit [www.wago.com](http://www.wago.com)

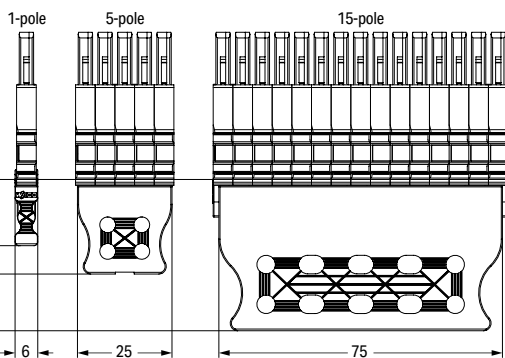
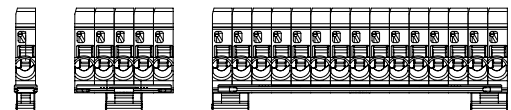
Strain Relief Plate (SRP), Gray				Locking Lever (LL), Gray				SRP and LL, Gray
Assembled				Assembled				Assembled
SRP				Pole No.	Quantity	1-Way	2-Way	
Item No. Suffix				Item No. Suffix				Item No. Suffix
Item No.	Color	Width						
734-327	gray	6mm	/132-0xx	1 to 2	1	/122-0xx	-	/142-0xx
734-328	gray	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.

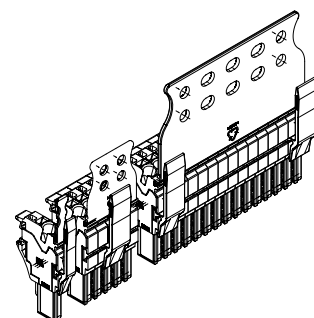
Dimensions of locking levers



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

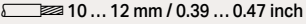


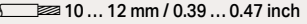
Dimensions of strain relief plates

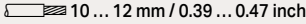


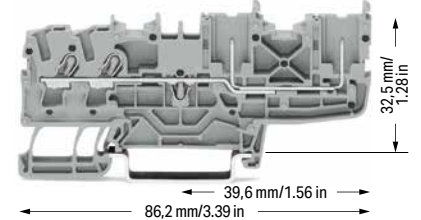
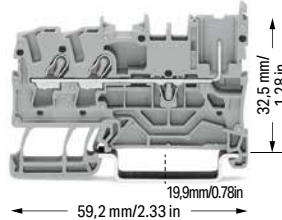
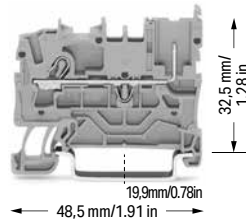
# 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM; for Ex ec Applications



## 2.5 (4) mm<sup>2</sup>; 2022 Series



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



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


Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
630 V ②	600 V, 20 A ③
I <sub>N</sub> 20 A	600 V, 20 A ④
Terminal block width: 5.2 mm / 0.205 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			
 orange	2022-1292	100 (25)	
 gray	2022-1291	100 (25)	


Accessories; item-specific			
End and intermediate plate; 1 mm thick			
 orange	2022-1392	100 (25)	
 gray	2022-1391	100 (25)	


Accessories; item-specific			
End and intermediate plate; 1 mm thick			
 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 mm <sup>2</sup>			
 light gray	2002-171	200 (25)	




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


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


Push-in type jumper bar; insulated; I <sub>N</sub> 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 <sub>N</sub> 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 <sub>N</sub> 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	


Push-in type wire jumper; insulated; 1.5 mm <sup>2</sup> conductor cross-section; I <sub>N</sub> 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)	

Test pin; 1 mm Ø			
	859-500	1	

1-conductor female plug; with shorter locking lever; suitable for Ex ec applications; fits into carrier terminal blocks; codable			
 gray	2022-103/999-953	100	

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	

1 Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st";  
 Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup>  
 "insulated ferrules, 12 mm"  
 Depending on the conductor characteristic, a conductor  
 with a smaller cross section can also be inserted  
 via push-in termination.

2 630 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.

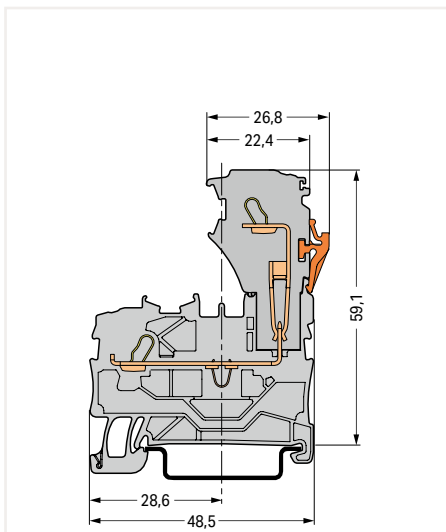
Please observe the application notes:  
 Jumpers, from page 174  
 Marking, from page 640

Approvals and corresponding ratings,  
 visit [www.wago.com](http://www.wago.com)

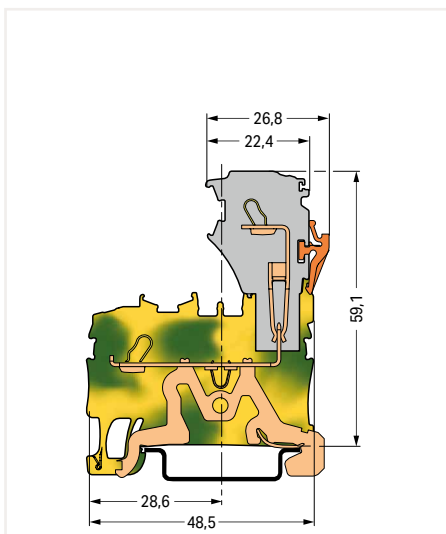


630 V = rated voltage for use in Zone 2 hazardous areas,  
 "nA" type of protection

Ex marking:  
 "Ex" sign and extended item number ".../999-953" are  
 printed on the side of both carrier terminal blocks and  
 female plugs with Ex approval.  
 Shorter locking lever (factory-mounted) makes accidental  
 disconnection more difficult.



Carrier terminal block



Ground carrier terminal block

# 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 <sub>N</sub> 20 A ②	600 V, 20 A ③
Terminal block width: 5.2 mm / 0.205 inch	

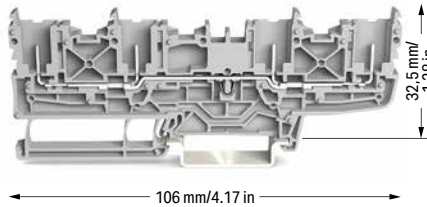
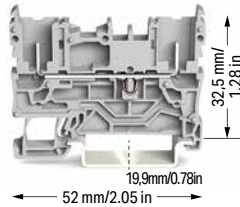
Technical Data	
630 V ①	600 V, 20 A ②
I <sub>N</sub> 20 A ②	600 V, 20 A ③
Terminal block width: 5.2 mm / 0.205 inch	

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, from page 640

Approvals and corresponding ratings, visit [www.wago.com](http://www.wago.com)



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

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

2-pin ground carrier terminal block; for Ex ec applications		
green-yellow ④	2022-1607/999-953	50

4-pin ground carrier terminal block; for Ex ec applications		
green-yellow ④	2022-1807/999-953	50

Accessories; item-specific			
End plate; 1 mm thick			
	orange	2022-1692	100 (25)
	gray	2022-1691	100 (25)

Accessories; item-specific			
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 <sub>N</sub> 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 wire jumper; insulated; 1.5 mm <sup>2</sup> conductor cross-section; I <sub>N</sub> 18 A			
	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
	L = 250 mm	2009-416	100 (10)

Push-in type jumper bar; insulated; I <sub>N</sub> 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

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

1-conductor female plug; with shorter locking lever; suitable for Ex ec applications; fits into carrier terminal blocks; codable			
	gray	2022-103/999-953	100

Staggered jumper; insulated; I <sub>N</sub> 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


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

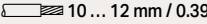
WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm		
	white	2009-115 1


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

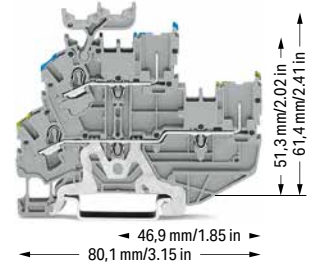
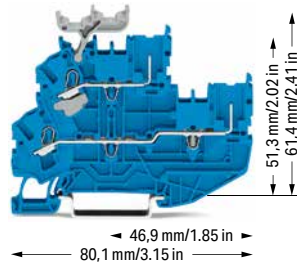
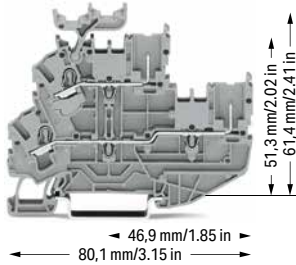


# 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM; for Ex ec Applications 2.5 (4) mm<sup>2</sup>; 2022 Series

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

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

Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
630 V ②	600 V; 20 A ③
I <sub>N</sub> 20 A	600 V; 20 A ④
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; suitable for Ex ec applications; gray

	Item No.	Pack. Unit
○ L/L ⑤	2022-2231/999-953	50
○ N/L ⑤	2022-2232/999-953	50
○ L/N ⑤	2022-2233/999-953	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; suitable for Ex ec applications; blue

	Item No.	Pack. Unit
● N/N ⑤	2022-2234/999-953	50

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

	Item No.	Pack. Unit
○ PE/N ⑤	2022-2247/999-953	50
○ PE/L ⑤	2022-2257/999-953	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; for Ex ec applications; gray

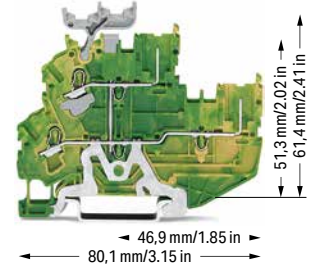
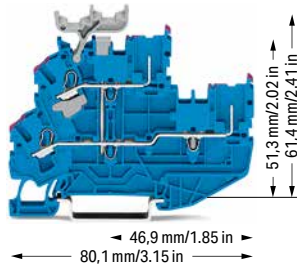
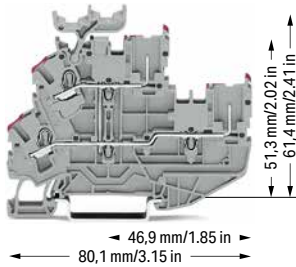
○ L/L ⑤	2022-2201/999-953	50
○ N/L ⑤	2022-2202/999-953	50
○ L/N ⑤	2022-2203/999-953	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; for Ex ec applications; blue

● N/N ⑤	2022-2204/999-953	50
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1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; for Ex ec applications; gray

○ PE/N ⑤	2022-2217/999-953	50
○ PE/L ⑤	2022-2227/999-953	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; for Ex ec applications; gray

	Item No.	Pack. Unit
○ L ⑤	2022-2238/999-953	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; for Ex ec applications; blue

	Item No.	Pack. Unit
● N ⑤	2022-2239/999-953	50

2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; with marker carrier; internally commoned; for Ex ec applications; green-yellow

	Item No.	Pack. Unit
● PE ⑤	2022-2237/999-953	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; for Ex ec applications; gray

○ L ⑤	2022-2208/999-953	50
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2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; for Ex ec applications; blue

● N ⑤	2022-2209/999-953	50
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2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier; internally commoned; for Ex ec applications; green-yellow

● PE ⑤	2022-2207/999-953	50
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1 Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st";  
Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm"  
Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection with double-deck vertical jumper,

**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 174  
Marking, from page 640

Approvals and corresponding ratings, visit [www.wago.com](http://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 mm<sup>2</sup>**

	light gray	2002-171	200 (25)
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**Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>**

	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<sub>N</sub> 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<sub>N</sub> 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<sub>N</sub> 25 A, light gray**

	2-way	2002-400	25
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**Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 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<sub>N</sub> 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 mm<sup>2</sup>**

	gray	2009-182	100 (25)
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**1-conductor female plug; with shorter locking lever; suitable for Ex ec applications; fits into carrier terminal blocks; codable**

	gray	2022-103/999-953	100
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**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**

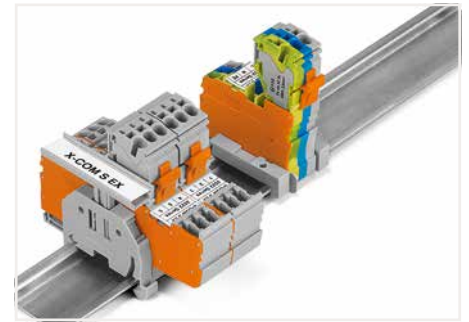
	white	2009-115	1
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**WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable**

	plain	793-5501	5
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**Double-deck marker carrier; pivoting**

	gray	2002-121	50 (25)
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Group marking with height-adjustable group marker carrier (2009-163)



# 1-Conductor Female Plug X-COM®S-SYSTEM; for Ex ec Applications 2.5 (4) mm<sup>2</sup>; 2022 Series

**Technical Data**

0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
630 V ②	600 V, 20 A ③
I <sub>n</sub> 20 A	600 V, 20 A ④
Module width: 5.2 mm / 0.205 inch	
10 ... 12 mm / 0.39 ... 0.47 inch	



- ① Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm"  
Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- ② 630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

Approvals and corresponding ratings, visit [www.wago.com](http://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**

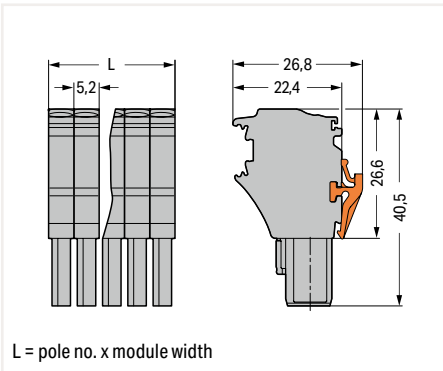
	white	2009-115	1
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**WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable**

	plain	793-5501	5
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Dimensions (in mm):




1-conductor female plug; with shorter locking lever; suitable for Ex ec applications; 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
⊙ 2	2022-102/999-953	200
⊙ 3	2022-103/999-953	100
⊙ 4	2022-104/999-953	100
⊙ 5	2022-105/999-953	50
⊙ 6	2022-106/999-953	50
⊙ 7	2022-107/999-953	50
⊙ 8	2022-108/999-953	50


**Accessories; for female plugs**

Appropriate marking systems:  
WMB/WMB Inline/Marking strips

**Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>**

	light gray	2002-171	200 (25)
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**Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>**

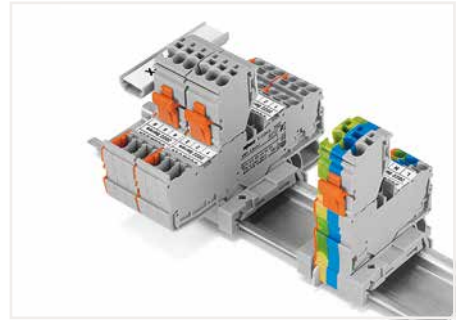
	dark gray	2002-172	200 (25)
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**Protective warning marker; with black high-voltage symbol; for 5 terminal blocks**

	yellow	2002-115	100 (25)
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**Carrier with 6 coding pins; for coding female plugs**

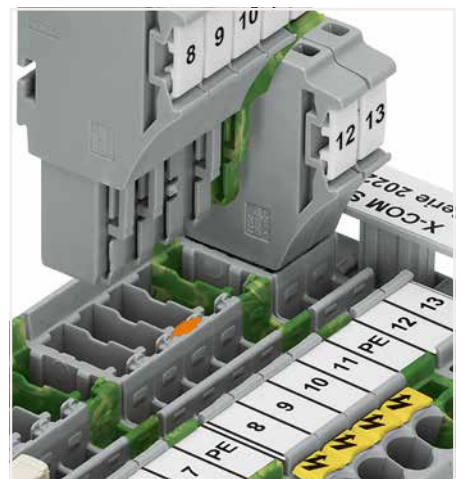
	orange	2022-100	100 (25)
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Each female plug is supplied with a locking lever.

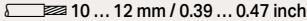


Coding a female plug: remove coding finger using a suitable tool.

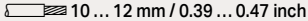


Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

## Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM; for Ex ec Applications 2.5 (4) mm<sup>2</sup>; 2022 Series

Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
630 V ②	600 V, 20 A $\overline{VA}$
I <sub>N</sub> 20 A	600 V, 20 A $\overline{A}$
Module width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



Technical Data	
0.25 ... 2.5 (4) mm <sup>2</sup> ①	22 ... 12 AWG
630 V ②	600 V, 20 A $\overline{VA}$
I <sub>N</sub> 20 A	600 V, 20 A $\overline{A}$
Module width: 5.2 mm / 0.205 inch	
 10 ... 12 mm / 0.39 ... 0.47 inch	



1-conductor female plug; with shorter locking lever; with ground base module (green-yellow); fits into carrier terminal blocks; codable

Pole No.	Item No.	Pack. Unit
3 ③	2022-103/000-038/999-953	100
4 ③	2022-104/000-038/999-953	100
5 ③	2022-105/000-038/999-953	50
6 ③	2022-106/000-038/999-953	50


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

Pole No.	Item No.	Pack. Unit
3 ③	2022-103/000-039/999-953	100
4 ③	2022-104/000-039/999-953	100
5 ③	2022-105/000-039/999-953	50
6 ③	2022-106/000-039/999-953	50


### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips


Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

	light gray	2002-171	200 (25)
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Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

	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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Carrier with 6 coding pins; for coding female plugs

	orange	2022-100	100 (25)
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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
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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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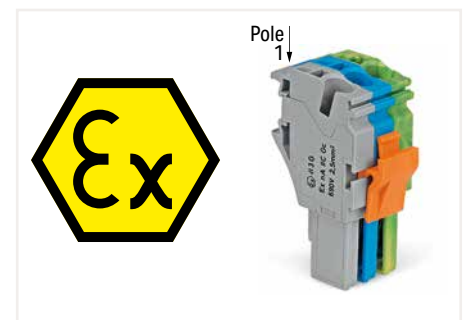
① Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

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

#### 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](http://www.wago.com)



#### Ex marking:

"Ex" sign and extended item number ".../999-953" are printed on the side of both carrier terminal blocks and female plugs with Ex approval. Shorter locking lever (factory-mounted) makes accidental disconnection more difficult.