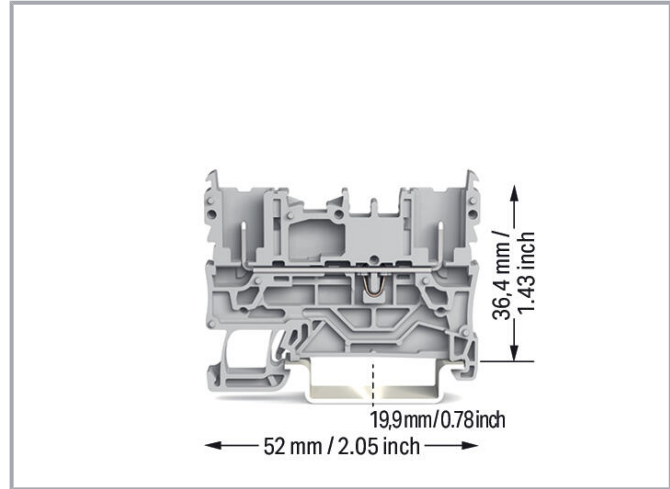
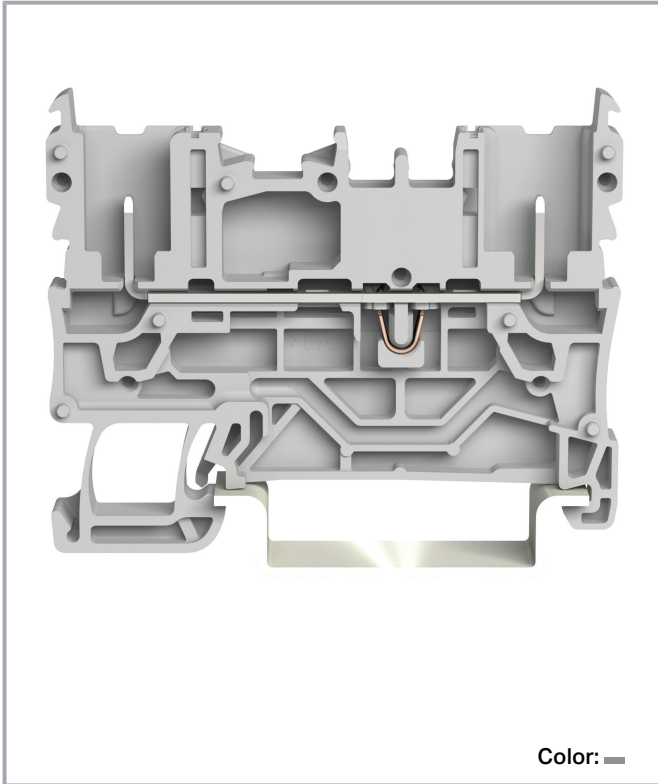


Data sheet | Item number: 2022-1601/999-953

2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/2022-1601/999-953



Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	690 V
Rated impulse voltage (III/3)	6 kV
Rated current	20 A
Rated current 2	28 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	20 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	20 A

Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	20 A

Ex information

Rated voltage EN (Ex e II)	630 V
----------------------------	-------

Power loss

Power loss, per pole (potential)	0.532 W
Rated current I_N for specified power loss	20 A
Resistance value for specified, current-dependent power loss	0.001 Ω

Connection data

Female plug slots	2
Total number of potentials	1
Number of levels	1

Physical data

Width	5.2 mm / 0.205 inches
Height	52 mm / 2.047 inches
Depth from upper-edge of DIN-rail	32.5 mm / 1.28 inches

Mechanical Data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center/side marking

Subject to changes. Please also observe the further product documentation!

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Material Data

Note (material data)

Information on material specifications can be found here

Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.125 MJ
Weight	5.5 g

Environmental requirements

Continuous operating temperature	-60 ... +105 °C
----------------------------------	-----------------

Commercial data



ETIM 8.0	EC000897
ETIM 7.0	EC000897
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143828833
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

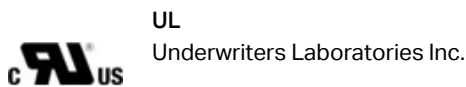
General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	C22.2 No. 158	2437422
	CCC CNEX	GB/T 3836.3	2020312313000255 (Ex ec IIC Gc)

Subject to changes. Please also observe the further product documentation!

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UL 1059

E45172

Approvals for hazardous areas



Logo	Approval	Additional Approval Text	Certificate name
	ATEX Physikalisch Technische Bundesanstalt	EN IEC 60079-0	PTB 13 ATEX 1004 U (II 3 G Ex ec II C Gc)
	CCC CNEX	GB/T 3836.3	2020312313000255 (Ex ec IIC Gc)
	IECEX Physikalisch Technische Bundesanstalt	IEC 60079-0	IECEX PTB 13.0004U (Ex ec IIC Gc)

Counterpart

	Item no. 2022-102/999-953 1-conductor female connector; Push-in CAGE CLAMP®; 4 mm ² ; Pin spacing 5.2 mm; 2-pole; Centered locking levers; 4,00 mm ² ; gray	www.wago.com/2022-102/999-953
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Required accessories

End plate







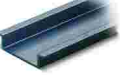







End plate		
	Item no.: 2022-1691 End plate; 1 mm thick; gray	www.wago.com/2022-1691
	Item no.: 2022-1692 End plate; 1 mm thick; orange	www.wago.com/2022-1692

Optional accessories

Carrier rail




Mounting accessories		
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	www.wago.com/210-197

Subject to changes. Please also observe the further product documentation!

	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	www.wago.com/210-198
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
	Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	www.wago.com/210-112
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-114
	Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	www.wago.com/210-115
	Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-196
Marking accessories		
Marking strip		
	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
Marker carrier		
	Item no.: 2009-198 Adaptor; gray	www.wago.com/2009-198
	Item no.: 2002-161 Adaptor; gray	www.wago.com/2002-161
Marker		
	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/248-501
	Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/793-5501






Subject to changes. Please also observe the further product documentation!

Group marker carrier

	Item no.: 2009-193 Group marker carrier; gray	www.wago.com/2009-193
	Item no.: 2009-192 Group marker carrier; gray	www.wago.com/2009-192
	Item no.: 2009-191 Group marker carrier; gray	www.wago.com/2009-191


Push-in type wire jumper

Jumper

	Item no.: 2009-412 Push-in type wire jumper; insulated; 60 mm long; black	www.wago.com/2009-412
	Item no.: 2009-414 Push-in type wire jumper; 1.5 mm ² ; insulated; 110 mm long; black	www.wago.com/2009-414
	Item no.: 2009-416 Push-in type wire jumper; 1.5 mm ² ; insulated; 250 mm long; black	www.wago.com/2009-416
	Item no.: 2009-414/000-005 Push-in type wire jumper; 1.5 mm ² ; insulated; 110 mm long; black	www.wago.com/2009-414/000-005
	Item no.: 2009-414/000-006 Push-in type wire jumper; insulated; 110 mm long; black	www.wago.com/2009-414/000-006






Coding

Coding














	Item no.: 2022-100 Carrier with 6 coding pins; for coding of female plugs; orange	www.wago.com/2022-100
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Jumpers

Jumper

	Item no.: 2002-402 Jumper; 2-way; insulated; light gray	www.wago.com/2002-402
	Item no.: 2002-402/000-005 Jumper; 2-way; insulated; red	www.wago.com/2002-402/000-005
	Item no.: 2002-400 Continuous jumper; 2-way; insulated; light gray	www.wago.com/2002-400
	Item no.: 2002-403 Jumper; 3-way; insulated; light gray	www.wago.com/2002-403
		

Subject to changes. Please also observe the further product documentation!

	Item no.: 2002-404/000-005 Jumper; 4-way; insulated; red	www.wago.com/2002-404/000-005
	Item no.: 2002-403/000-006 Jumper; 3-way; insulated; blue	www.wago.com/2002-403/000-006
	Item no.: 2002-404/000-006 Jumper; 4-way; insulated; blue	www.wago.com/2002-404/000-006
	Item no.: 2002-403/000-005 Jumper; 3-way; insulated; red	www.wago.com/2002-403/000-005
	Item no.: 2002-405/000-005 Jumper; 5-way; insulated; red	www.wago.com/2002-405/000-005
	Item no.: 2002-402/000-006 Jumper; 2-way; insulated; blue	www.wago.com/2002-402/000-006
	Item no.: 2002-405/000-006 Jumper; 5-way; insulated; blue	www.wago.com/2002-405/000-006
	Item no.: 2002-404 Jumper; 4-way; insulated; light gray	www.wago.com/2002-404
	Item no.: 2002-406/000-006 Jumper; 6-way; insulated; blue	www.wago.com/2002-406/000-006
	Item no.: 2002-406/000-005 Jumper; 6-way; insulated; red	www.wago.com/2002-406/000-005
	Item no.: 2002-406/020-000 Delta jumper; insulated; light gray	www.wago.com/2002-406/020-000
	Item no.: 2002-405 Jumper; 5-way; insulated; light gray	www.wago.com/2002-405
	Item no.: 2002-407/000-005 Jumper; 7-way; insulated; red	www.wago.com/2002-407/000-005

Subject to changes. Please also observe the further product documentation!



Item no.: 2002-408
Jumper; 8-way; insulated; light gray

www.wago.com/2002-408



Item no.: 2002-408/000-006
Jumper; 8-way; insulated; blue

www.wago.com/2002-408/000-006



Item no.: 2002-405/011-000
Star point jumper; 3-way; insulated; light gray

www.wago.com/2002-405/011-000



Item no.: 2002-407/000-006
Jumper; 7-way; insulated; blue

www.wago.com/2002-407/000-006



Item no.: 2002-408/000-005
Jumper; 8-way; insulated; red

www.wago.com/2002-408/000-005



Item no.: 2002-407
Jumper; 7-way; insulated; light gray

www.wago.com/2002-407



Item no.: 2002-406
Jumper; 6-way; insulated; light gray

www.wago.com/2002-406



Item no.: 2002-410/000-005
Jumper; 10-way; insulated; red

www.wago.com/2002-410/000-005



Item no.: 2002-410/000-006
Jumper; 10-way; insulated; blue

www.wago.com/2002-410/000-006



Item no.: 2002-410
Jumper; 10-way; insulated; light gray

www.wago.com/2002-410



Item no.: 2002-409/000-006
Jumper; 9-way; insulated; blue

www.wago.com/2002-409/000-006



Item no.: 2002-409/000-005
Jumper; 9-way; insulated; red

www.wago.com/2002-409/000-005

Subject to changes. Please also observe the further product documentation!



Item no.: 2002-409
Jumper; 9-way; insulated; light gray

www.wago.com/2002-409



Item no.: 2002-423/000-006
Continuous jumper; from 1 to 3; insulated; blue

www.wago.com/2002-423/000-006



Item no.: 2002-423
Continuous jumper; from 1 to 3; insulated; light gray

www.wago.com/2002-423



Item no.: 2002-433
Jumper; from 1 to 3; insulated; light gray

www.wago.com/2002-433



Item no.: 2002-434
Jumper; from 1 to 4; insulated; light gray

www.wago.com/2002-434



Item no.: 2002-423/000-005
Continuous jumper; from 1 to 3; insulated; red

www.wago.com/2002-423/000-005



Item no.: 2002-435
Jumper; from 1 to 5; insulated; light gray

www.wago.com/2002-435



Item no.: 2002-436
Jumper; from 1 to 6; insulated; light gray

www.wago.com/2002-436



Item no.: 2002-437
Jumper; from 1 to 7; insulated; light gray

www.wago.com/2002-437



Item no.: 2002-438
Jumper; from 1 to 8; insulated; light gray

www.wago.com/2002-438



Item no.: 2002-439
Jumper; from 1 to 9; insulated; light gray

www.wago.com/2002-439



Item no.: 2002-440
Jumper; from 1 to 10; insulated; light gray

www.wago.com/2002-440



Item no.: 2002-472
Staggered jumper; 2-way; insulated; light gray

www.wago.com/2002-472



Item no.: 2002-473
Staggered jumper; 3-way; insulated; light gray

www.wago.com/2002-473



Item no.: 2002-475/011-000
Staggered jumper; 3-way; insulated; light gray

www.wago.com/2002-475/011-000



Item no.: 2002-475
Staggered jumper; 5-way; insulated; light gray

www.wago.com/2002-475

Subject to changes. Please also observe the further product documentation!



Item no.: 2002-476
Staggered jumper; 6-way; insulated; light gray

www.wago.com/2002-476



Item no.: 2002-474
Staggered jumper; 4-way; insulated; light gray

www.wago.com/2002-474



Item no.: 2002-477
Staggered jumper; 7-way; insulated; light gray

www.wago.com/2002-477



Item no.: 2002-473/011-000
Staggered jumper; 2-way; from 1 to 3; insulated; light gray

www.wago.com/2002-473/011-000



Item no.: 2002-479
Staggered jumper; 9-way; insulated; light gray

www.wago.com/2002-479



Item no.: 2002-478
Staggered jumper; 8-way; insulated; light gray

www.wago.com/2002-478



Item no.: 2002-479/011-000
Staggered jumper; insulated; light gray

www.wago.com/2002-479/011-000



Item no.: 2002-480
Staggered jumper; 10-way; insulated; light gray

www.wago.com/2002-480



Item no.: 2002-477/011-000
Staggered jumper; insulated; light gray

www.wago.com/2002-477/011-000



Item no.: 2002-481/011-000
Staggered jumper; insulated; light gray

www.wago.com/2002-481/011-000



Item no.: 2002-481
Staggered jumper; 11-way; insulated; light gray

www.wago.com/2002-481



Item no.: 2002-482
Staggered jumper; 12-way; insulated; light gray

www.wago.com/2002-482



Item no.: 2002-424/000-006
Continuous jumper; from 1 to 4; insulated; blue

www.wago.com/2002-424/000-006

Tool

Operating tool

Subject to changes. Please also observe the further product documentation!



Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Downloads

Documentation

Additional Information

Technical Section	pdf	Download
Technical explanations	2.2 MB	

CAD/CAE-Data

CAD data

2D/3D Models 2022-1601/999-953	URL	Download
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CAE data

ZUKEN Portal 2022-1601/999-953	URL	Download
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Environmental Product Compliance

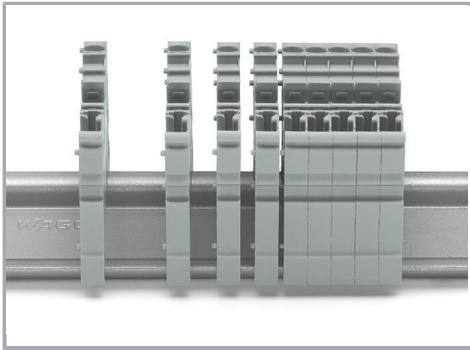
Compliance Search

Environmental Product Compliance 2022-1601/999-953	URL	Download
2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray		

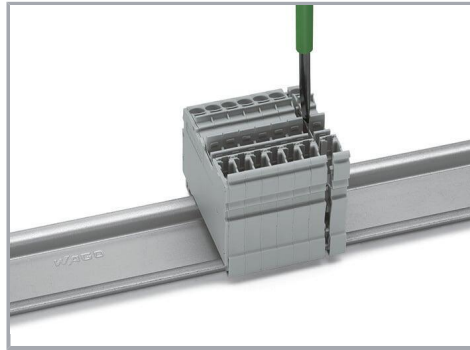
Installation Notes

Installation

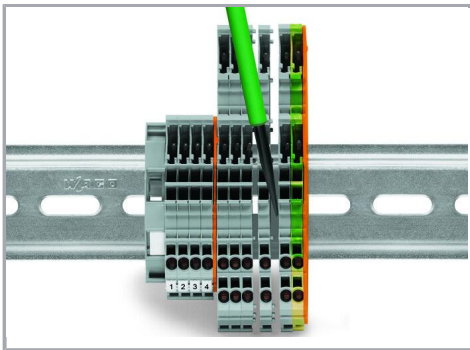
Subject to changes. Please also observe the further product documentation!



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



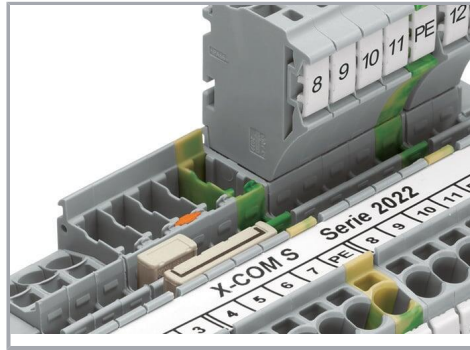
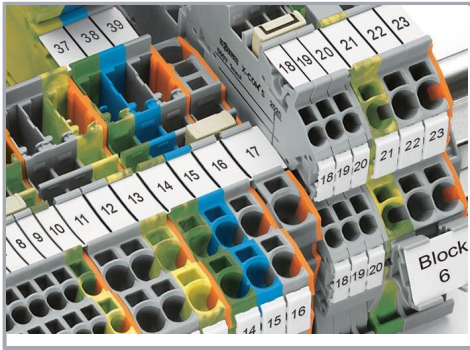
Open the assembly by laterally sliding a block via operating tool (3.5 x 0.5 mm blade).



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

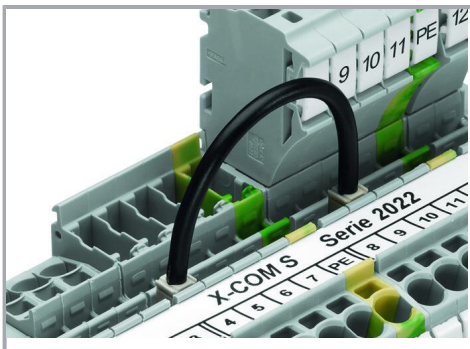
Commoning

Subject to changes. Please also observe the further product documentation!



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

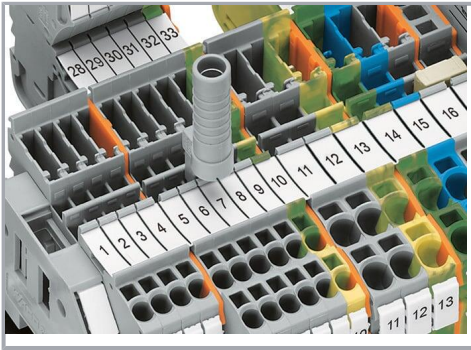
Pairing push-in comb style jumpers.



Commoning with push-in type wire jumper.

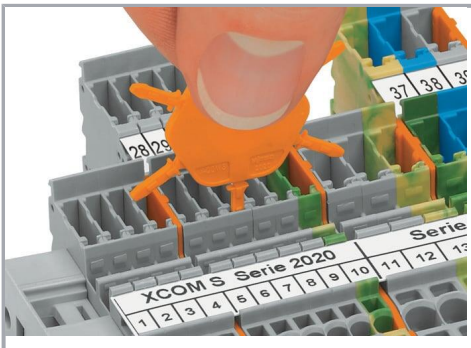
Testing

Subject to changes. Please also observe the further product documentation!

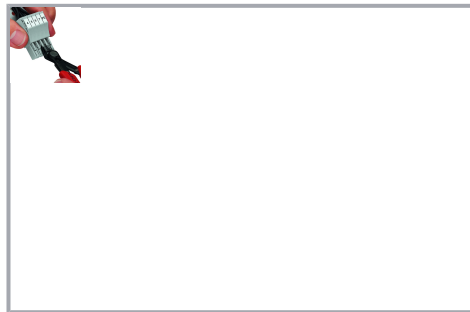


Test plug adapter (2009-174) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM-MINI Terminal Blocks.

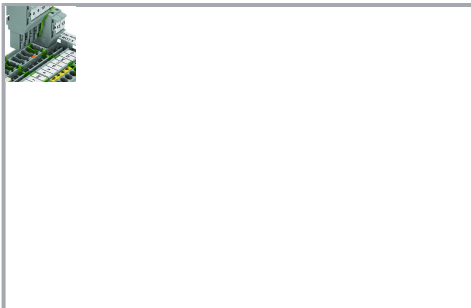
Coding



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



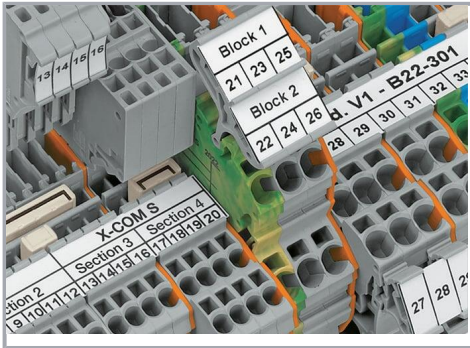
Coding a female plug: remove coding finger using a suitable tool.



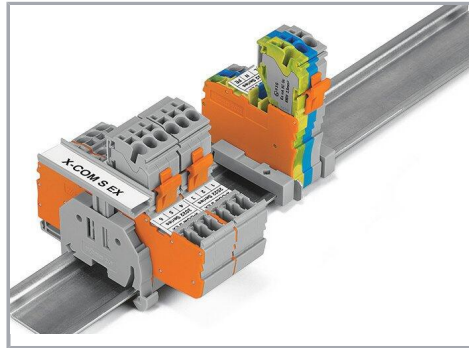
Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

Marking

Subject to changes. Please also observe the further product documentation!

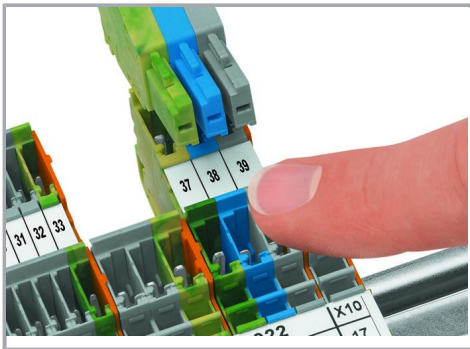


Clear marking via large marking area



Group marking with height-adjustable group marker carrier (2009-163)

Security



Carrier terminal blocks and female plugs are touch-proof.

Product family

X-COM S

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!