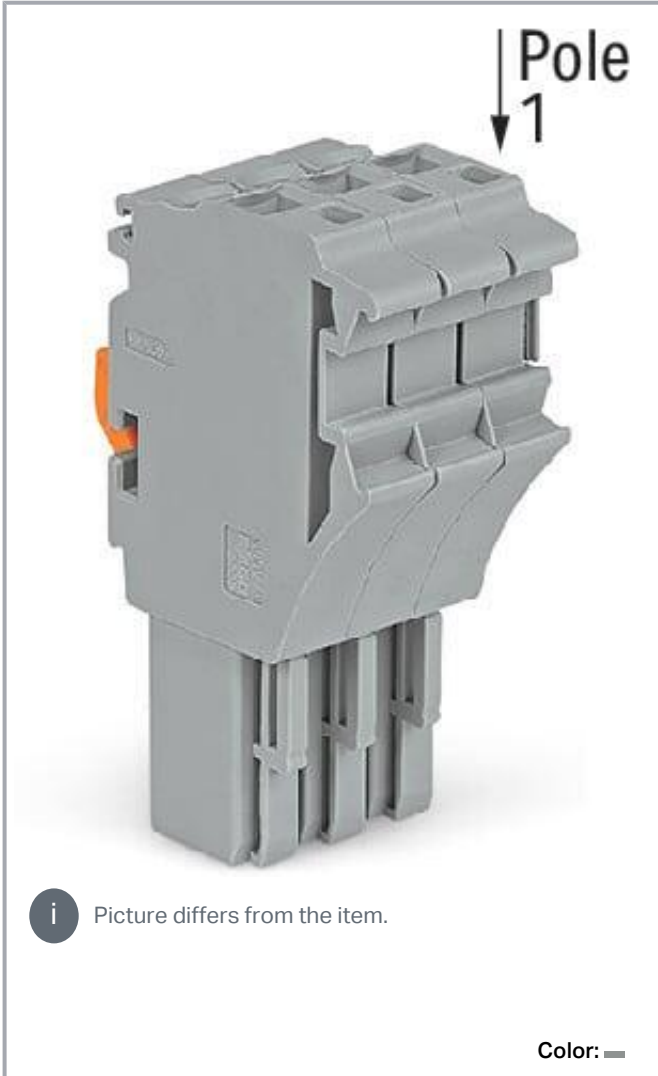


Data sheet | Item number: 2022-102/999-953

1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm; 2-pole; Centered locking levers; 4,00 mm²; gray

www.wago.com/2022-102/999-953



Data

Notes

Safety information

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

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

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Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 61984
Rated current	20 A

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
----------------------------	-------

Connection data

Connection points	2
Total number of potentials	2

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm ²
Solid conductor	0.25 ... 4 mm ² / 22 ... 12 AWG
Solid conductor; push-in termination	0.75 ... 4 mm ² / 18 ... 12 AWG
Fine-stranded conductor	0.25 ... 4 mm ² / 22 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 ... 2.5 mm ² / 18 ... 14 AWG

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



Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	10 ... 12 mm / 0.39 ... 0.47 inches
Pole number	2
Wiring direction	Front-entry wiring

Physical data

Width	10.4 mm / 0.409 inches
Height	40.5 mm / 1.594 inches
Depth	22.4 mm / 0.882 inches
Module width	5.2 mm / 0.205 inches

Mechanical Data

Variable coding	Yes
Marking level	Side marking
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismatching protection	No
Plugging without loss of pin spacing	Yes

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	7 g

Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

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

Commercial data



eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143462228
Customs tariff number	85366990990

Environmental Product Compliance



RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates

General approvals

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

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)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE.AM02.B. 00127/19 (Ex nA IIC Gc U)

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

ERC 
IECEX

IECEX

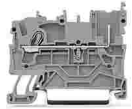
Physikalisch Technische Bundesanstalt

IEC 60079-0

IECEX PTB 13.0004U

(Ex ec IIC Gc)

Counterpart

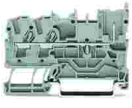

Item no.2022-1201/999-953

 1-conductor/1-pin carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

 www.wago.com
/2022-1201
/999-953

Item no.2022-1204/999-953

 1-conductor/1-pin carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; blue

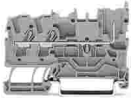
 www.wago.com
/2022-1204
/999-953

Item no.2022-1301/999-953

 2-conductor/1-pin carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

 www.wago.com
/2022-1301
/999-953

Item no.2022-1207/999-953

 1-conductor/1-pin ground carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; green-yellow

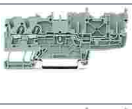
 www.wago.com
/2022-1207
/999-953

Item no.2022-1304/999-953

 2-conductor/1-pin carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; blue

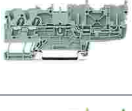
 www.wago.com
/2022-1304
/999-953

Item no.2022-1307/999-953

 2-conductor/1-pin ground carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; green-yellow

 www.wago.com
/2022-1307
/999-953

Item no.2022-1401/999-953

 2-conductor/2-pin carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

 www.wago.com
/2022-1401
/999-953

Item no.2022-1404/999-953

 2-conductor/2-pin carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; blue

 www.wago.com
/2022-1404
/999-953

Item no.2022-1407/999-953

 2-conductor/2-pin ground carrier terminal block; 2.5 mm²; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; green-yellow

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/2022-1407
/999-953

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

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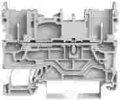
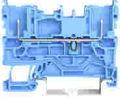









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	Item no.2022-1601/999-953 2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray	/2022-1601 /999-953
	Item no.2022-1604/999-953 2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; blue	www.wago.com /2022-1604 /999-953
	Item no.2022-1607/999-953 2-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow	www.wago.com /2022-1607 /999-953
	Item no.2022-2201/999-953 1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm ² ; L/L; without marker carrier; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray	www.wago.com /2022-2201 /999-953
	Item no.2022-2202/999-953 1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm ² ; N/L; without marker carrier; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray	www.wago.com /2022-2202 /999-953
	Item no.2022-2203/999-953 1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm ² ; L/N; without marker carrier; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray	www.wago.com /2022-2203 /999-953
	Item no.2022-2204/999-953 1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm ² ; N/N; without marker carrier; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; blue	www.wago.com /2022-2204 /999-953
	Item no.2022-2207/999-953 2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin ground terminal block; 2.5 mm ² ; PE; suitable for Ex nA applications; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; green-yellow	www.wago.com /2022-2207 /999-953
	Item no.2022-2208/999-953 2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin through terminal block; 2.5 mm ² ; L; internal commoning; conductor entry with violet marking; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray	www.wago.com /2022-2208 /999-953
	Item no.2022-2209/999-953 2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin through terminal block; 2.5 mm ² ; N; internal commoning; conductor entry with violet marking; suitable for Ex nA applications; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; blue	www.wago.com /2022-2209 /999-953
	Item no.2022-2217/999-953 1-conductor/1-pin double deck receptacle terminal block; Ground conductor/through terminal block; 2.5 mm ² ; PE /N; suitable for Ex nA applications; without marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray	www.wago.com /2022-2217 /999-953

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



Optional accessories

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
	Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white	www.wago.com/210-831
	Item no.: 210-833 Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white	www.wago.com/210-833
	Item no.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white	www.wago.com/210-834
	Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white	www.wago.com/210-832

Label


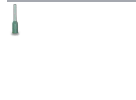

	Item no.: 210-805 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white	www.wago.com/210-805
	Item no.: 210-805/000-002 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow	www.wago.com/210-805/000-002

Marker

	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.: 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

Ferrule

Ferrule

	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243

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

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	<p>Item no.: 216-244 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p>	www.wago.com/216-244
	<p>Item no.: 216-263 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p>	www.wago.com/216-263
	<p>Item no.: 216-246 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</p>	www.wago.com/216-246
	<p>Item no.: 216-266 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</p>	www.wago.com/216-266
	<p>Item no.: 216-264 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p>	www.wago.com/216-264
	<p>Item no.: 216-284 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p>	www.wago.com/216-284
	<p>Item no.: 216-286 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</p>	www.wago.com/216-286
	<p>Item no.: 216-262 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p>	www.wago.com/216-262

Strain relief

Strain relief plate



<p>Item no.: 734-327 Strain relief plate; for female and male connectors; 6 mm wide; 1 part; gray</p>	www.wago.com/734-327
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Insulation stop

Insulation stop



<p>Item no.: 2002-171 Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray</p>	www.wago.com/2002-171
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<p>Item no.: 2002-172 Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray</p>	www.wago.com/2002-172
---	--

Tool

Operating tool



<p>Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured</p>	www.wago.com/210-720
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Protective warning marker

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

Cover



Item no.: 2002-115

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

www.wago.com/2002-115

Downloads

Documentation

Bid Text

2022-102/999-953 X81 - Datei	2019 May 15	xml 4.4 kB	Download
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2022-102/999-953 docx - Datei	2019 May 14	docx 15.7 kB	Download
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Additional Information

Technical Section Technical explanations		pdf 2.2 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 2022-102/999-953		URL	Download
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Environmental Product Compliance

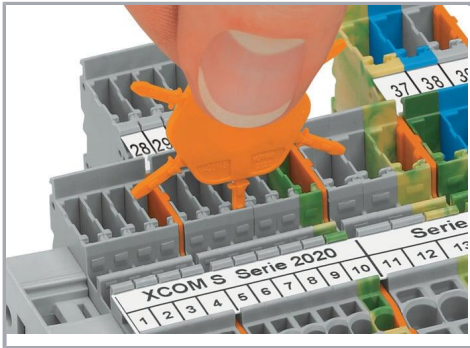
Compliance Search

Environmental Product Compliance 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		URL	Download
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Installation Notes

Coding

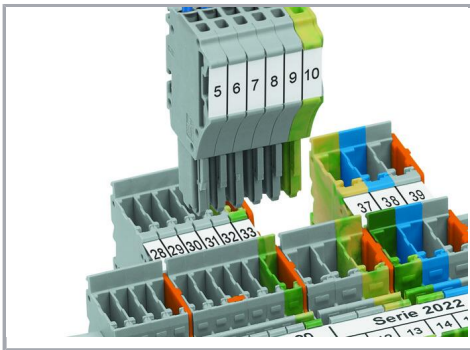
Subject to changes. Please also observe the further product documentation!



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

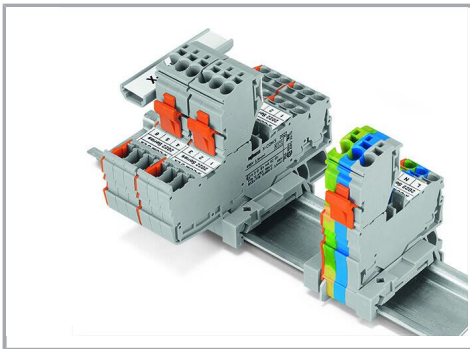


Coding a female plug: remove coding finger using a suitable tool.



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

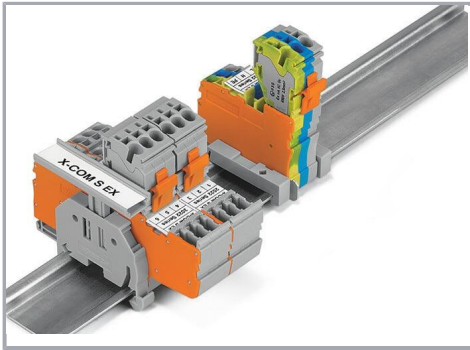
Locking system



Each female plug is supplied with a locking lever.

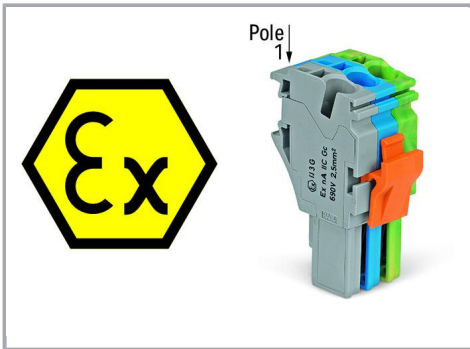
Marking

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



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

Ex application



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.

Product family

X-COM S

[Show all products from the family](#)

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