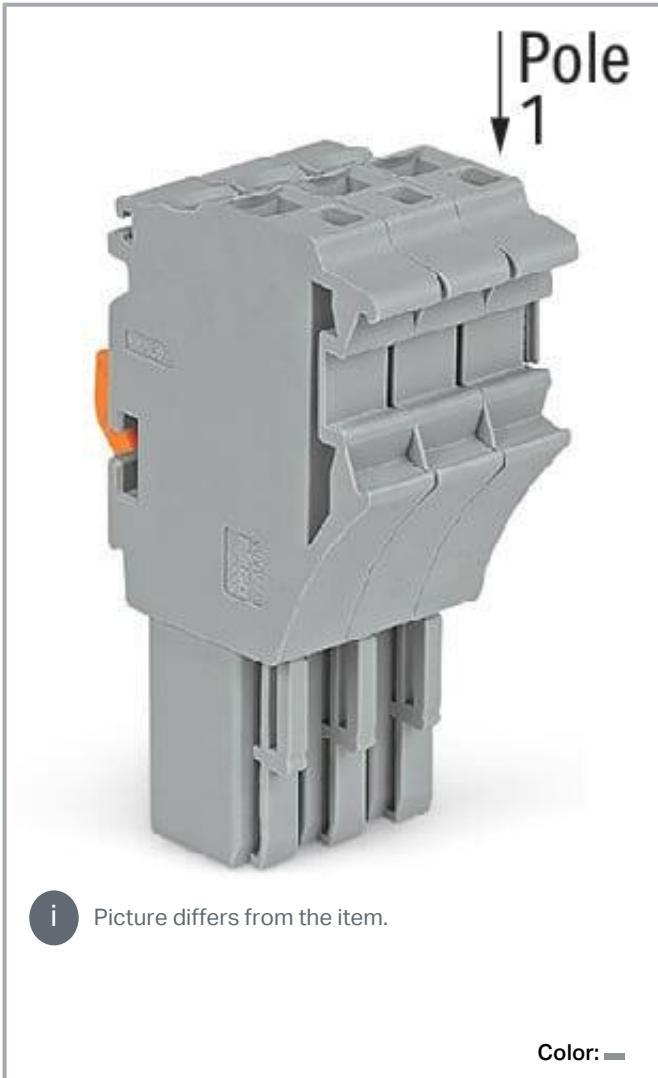


Data sheet | Item number: 2022-102/999-953

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
Legend (ratings)	

Ratings per UL

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
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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

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



Fine-stranded conductor; with ferrule; push-in termination	1 ... 2.5 mm ² / 18 ... 14 AWG
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
Mismating 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	7.1 g

Environmental requirements

Processing temperature	-35 ... +85 °C
------------------------	----------------

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

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Continuous operating temperature

-60 ... +105 °C

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
ECCN	NO DATA
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
	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)

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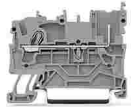


IECEX
Physikalisch Technische Bundesanstalt

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

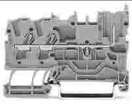
www.wago.com
/2022-1201
/999-953



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

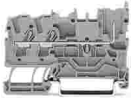
www.wago.com
/2022-1301
/999-953



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

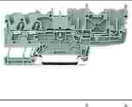
www.wago.com
/2022-1304
/999-953



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

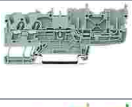
www.wago.com
/2022-1307
/999-953



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

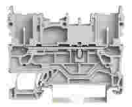
www.wago.com
/2022-1404
/999-953



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

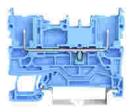
www.wago.com
/2022-1407
/999-953



Item no.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



Item no.2022-1604/999-953

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

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/2022-1604
/999-953

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

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	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.2022-1807/999-953 4-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow	www.wago.com/2022-1807/999-953
	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

Optional accessories

Insulation stop

Insulation stop

	Item no.: 2002-171 Insulation stop; 0.25 - 0.5 mm ² ; 5 pieces/strip; light gray	www.wago.com/2002-171
	Item no.: 2002-172 Insulation stop; 0.75 - 1 mm ² ; 5 pieces/strip; dark gray	www.wago.com/2002-172

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

Strain relief

Strain relief plate



Item no.: 734-327

Strain relief plate; for female and male connectors; 6 mm wide; 1 part; gray

www.wago.com/734-327

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

Protective warning marker

Cover



Item no.: 2002-115

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

www.wago.com/2002-115

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

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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
	Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244
	Item no.: 216-263 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/216-263
	Item no.: 216-246 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	www.wago.com/216-246
	Item no.: 216-266 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	www.wago.com/216-266
	Item no.: 216-264 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-264
	Item no.: 216-286 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	www.wago.com/216-286
	Item no.: 216-262 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/216-262

Tool

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

Screwless end stop

Mounting accessories		
	Item no.: 249-117 Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray	www.wago.com/249-117

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



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

		pdf 2.3 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 2022-102/999-953		URL	Download
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EPLAN Data Portal 2022-102/999-953		URL	Download
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CAD data

2D/3D Models 2022-102/999-953		URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2022-102/999-953		URL	Download
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1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm;
2-pole; Centered locking levers; 4,00 mm²; gray

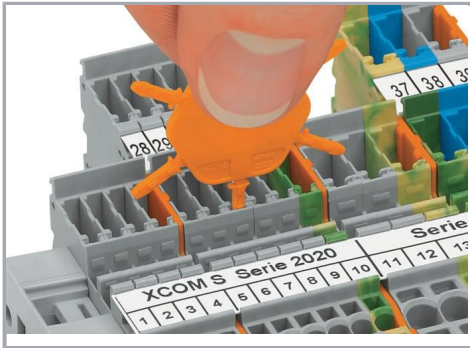
Installation Notes

Coding

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

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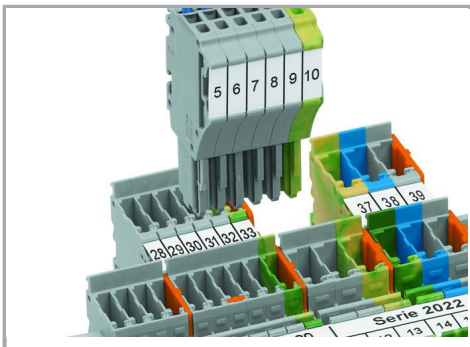
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Insert coding pin into the corresponding slot and twist it off.

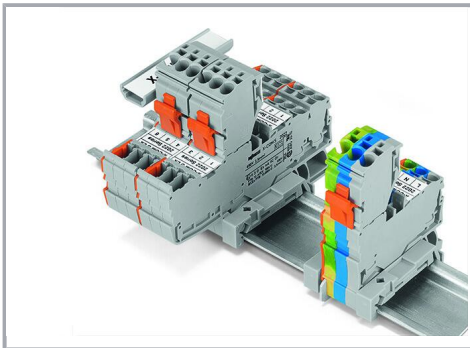


Coding a female plug: remove coding finger using a suitable tool.



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

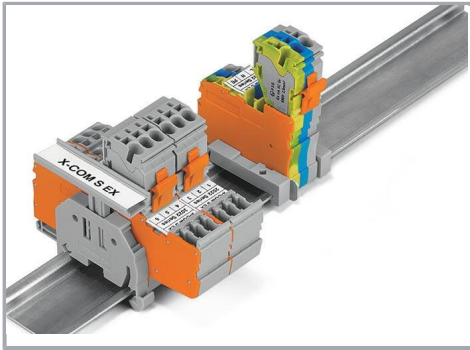
Locking system



Each female plug is supplied with a locking lever.

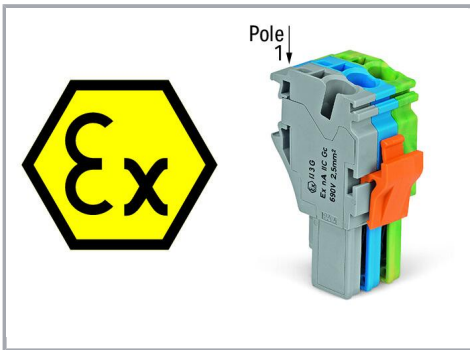
Marking

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!