

**Data sheet | Item number: 2020-1207**

1-conductor/1-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,00 mm²; green-yellow



[www.wago.com/2020-1207](http://www.wago.com/2020-1207)



Color:

**Data**  
**Electrical data**

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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## Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-2
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## Connection data

Connection points	1
Female plug slots	1
Total number of potentials	1
Number of levels	1

## Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	1 mm <sup>2</sup>
Solid conductor	0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm <sup>2</sup> / 20 ... 18 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	9 ... 11 mm / 0.35 ... 0.43 inches
Wiring direction	Front-entry wiring

## Physical data

Width	3.5 mm / 0.138 inches
Height	50.8 mm / 0.2 inches
Depth from upper-edge of DIN-rail	36.4 mm / 1.433 inches

## Mechanical Data

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

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 Hansastr. 27  
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## Material Data

Note (material data)

Information on material specifications can be found here

Color	green-yellow
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.083 MJ
Weight	5.7 g

## Environmental requirements

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

## Commercial data

Product Group	18 (X-COM-System)
eCl@ss 10.0	27-14-11-41
eCl@ss 9.0	27-14-11-41
ETIM 8.0	EC000901
ETIM 7.0	EC000901
Recupel Type	
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821145400
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	EN 60947	NTR NL

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DEKRA Certification B.V.		7617
<b>CSA</b> DEKRA Certification B.V.	C22.2	2516073
<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 60947	71- 100670
<b>UL</b> UL International Germany GmbH	UL 1059	E 45172

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
	<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

#### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	<b>BV</b> Bureau Veritas S.A.	EN 60947	38586/B0 BV
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

#### Counterpart

<b>Item no.2020-102</b> 1-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; gray	<a href="http://www.wago.com/2020-102">www.wago.com/2020-102</a>
<b>Item no.2020-202</b> 2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; gray	<a href="http://www.wago.com/2020-202">www.wago.com/2020-202</a>

#### Required accessories

##### End plate

End plate	
<b>Item no.: 2020-1292</b> End and intermediate plate; 1 mm thick; orange	<a href="http://www.wago.com/2020-1292">www.wago.com/2020-1292</a>
<b>Item no.: 2020-1291</b>	<a href="http://www.wago.com/2020-1291">www.wago.com/2020-1291</a>

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End and intermediate plate; 1 mm thick; gray

## 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](http://www.wago.com/2009-110)

#### Marker

**Item no.: 2009-113**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

[www.wago.com/2009-113](http://www.wago.com/2009-113)

**Item no.: 793-3501**

WMB marking card; as card; plain; snap-on type; white

[www.wago.com/793-3501](http://www.wago.com/793-3501)

### Tool

#### Operating tool

**Item no.: 210-648**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

[www.wago.com/210-648](http://www.wago.com/210-648)

**Item no.: 210-647**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-647](http://www.wago.com/210-647)

**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)

### Jumpers

#### Jumper

**Item no.: 210-123**

Wire commoning chain; insulated; blue

[www.wago.com/210-123](http://www.wago.com/210-123)

**Item no.: 2000-408**

Jumper; 8-way; insulated; light gray

[www.wago.com/2000-408](http://www.wago.com/2000-408)

**Item no.: 2000-407**

Jumper; 7-way; insulated; light gray

[www.wago.com/2000-407](http://www.wago.com/2000-407)

**Item no.: 2000-409**

Jumper; 9-way; insulated; light gray

[www.wago.com/2000-409](http://www.wago.com/2000-409)

**Item no.: 2000-408/000-006**

Jumper; 8-way; insulated; blue

[www.wago.com/2000-408/000-006](http://www.wago.com/2000-408/000-006)

**Item no.: 2000-408/000-005**

Jumper; 8-way; insulated; red

[www.wago.com/2000-408/000-005](http://www.wago.com/2000-408/000-005)

**Item no.: 2000-409/000-005**

Jumper; 9-way; insulated; red

[www.wago.com/2000-409/000-005](http://www.wago.com/2000-409/000-005)

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Hansastr. 27

32423 Minden

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<b>Item no.: 2000-407/000-006</b> Jumper; 7-way; insulated; blue	<a href="http://www.wago.com/2000-407/000-006">www.wago.com/2000-407/000-006</a>
<b>Item no.: 2000-410</b> Jumper; 10-way; insulated; light gray	<a href="http://www.wago.com/2000-410">www.wago.com/2000-410</a>
<b>Item no.: 2000-410/000-006</b> Jumper; 10-way; insulated; blue	<a href="http://www.wago.com/2000-410/000-006">www.wago.com/2000-410/000-006</a>
<b>Item no.: 2000-433/000-005</b> Jumper; from 1 to 3; insulated; red	<a href="http://www.wago.com/2000-433/000-005">www.wago.com/2000-433/000-005</a>
<b>Item no.: 2000-407/000-005</b> Jumper; 7-way; insulated; red	<a href="http://www.wago.com/2000-407/000-005">www.wago.com/2000-407/000-005</a>
<b>Item no.: 2000-433/000-006</b> Jumper; from 1 to 3; insulated; blue	<a href="http://www.wago.com/2000-433/000-006">www.wago.com/2000-433/000-006</a>
<b>Item no.: 2000-410/000-005</b> Jumper; 10-way; insulated; red	<a href="http://www.wago.com/2000-410/000-005">www.wago.com/2000-410/000-005</a>
<b>Item no.: 2000-435</b> Jumper; from 1 to 5; insulated; light gray	<a href="http://www.wago.com/2000-435">www.wago.com/2000-435</a>
<b>Item no.: 2000-409/000-006</b> Jumper; 9-way; insulated; blue	<a href="http://www.wago.com/2000-409/000-006">www.wago.com/2000-409/000-006</a>
<b>Item no.: 2000-436</b> Jumper; from 1 to 6; insulated; light gray	<a href="http://www.wago.com/2000-436">www.wago.com/2000-436</a>
<b>Item no.: 2000-433</b> Jumper; from 1 to 3; insulated; light gray	<a href="http://www.wago.com/2000-433">www.wago.com/2000-433</a>
<b>Item no.: 2000-434</b> Jumper; from 1 to 4; insulated; light gray	<a href="http://www.wago.com/2000-434">www.wago.com/2000-434</a>
<b>Item no.: 2000-402</b> Jumper; 2-way; insulated; light gray	<a href="http://www.wago.com/2000-402">www.wago.com/2000-402</a>
<b>Item no.: 2000-402/000-006</b> Jumper; 2-way; insulated; blue	<a href="http://www.wago.com/2000-402/000-006">www.wago.com/2000-402/000-006</a>
<b>Item no.: 2000-403</b> Jumper; 3-way; insulated; light gray	<a href="http://www.wago.com/2000-403">www.wago.com/2000-403</a>

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Hansastr. 27  
32423 Minden  
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**Item no.: 2000-402/000-005**  
Jumper; 2-way; insulated; red

[www.wago.com/2000-402/000-005](http://www.wago.com/2000-402/000-005)

**Item no.: 2000-402/000-018**  
Jumper; 2-way; insulated; yellow-green

[www.wago.com/2000-402/000-018](http://www.wago.com/2000-402/000-018)

**Item no.: 2000-404**  
Jumper; 4-way; insulated; light gray

[www.wago.com/2000-404](http://www.wago.com/2000-404)

**Item no.: 2000-403/000-005**  
Jumper; 3-way; insulated; red

[www.wago.com/2000-403/000-005](http://www.wago.com/2000-403/000-005)

**Item no.: 2000-404/000-006**  
Jumper; 4-way; insulated; blue

[www.wago.com/2000-404/000-006](http://www.wago.com/2000-404/000-006)

**Item no.: 2000-403/000-006**  
Jumper; 3-way; insulated; blue

[www.wago.com/2000-403/000-006](http://www.wago.com/2000-403/000-006)

**Item no.: 2000-404/000-005**  
Jumper; 4-way; insulated; red

[www.wago.com/2000-404/000-005](http://www.wago.com/2000-404/000-005)

**Item no.: 2000-405**  
Jumper; 5-way; insulated; light gray

[www.wago.com/2000-405](http://www.wago.com/2000-405)

**Item no.: 2000-405/011-000**  
Star point jumper; 3-way; insulated; light gray

[www.wago.com/2000-405/011-000](http://www.wago.com/2000-405/011-000)

**Item no.: 2000-405/000-006**  
Jumper; 5-way; insulated; blue

[www.wago.com/2000-405/000-006](http://www.wago.com/2000-405/000-006)

**Item no.: 2000-406/000-006**  
Jumper; 6-way; insulated; blue

[www.wago.com/2000-406/000-006](http://www.wago.com/2000-406/000-006)

**Item no.: 2000-405/000-005**  
Jumper; 5-way; insulated; red

[www.wago.com/2000-405/000-005](http://www.wago.com/2000-405/000-005)

**Item no.: 2000-406**  
Jumper; 6-way; insulated; light gray

[www.wago.com/2000-406](http://www.wago.com/2000-406)

**Item no.: 2000-406/000-005**  
Jumper; 6-way; insulated; red

[www.wago.com/2000-406/000-005](http://www.wago.com/2000-406/000-005)

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Hansastr. 27  
32423 Minden  
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**Item no.: 2000-406/020-000**  
Delta jumper; insulated; light gray

[www.wago.com/2000-406/020-000](http://www.wago.com/2000-406/020-000)

**Item no.: 2000-437**  
Jumper; from 1 to 7; insulated; light gray

[www.wago.com/2000-437](http://www.wago.com/2000-437)

**Item no.: 2000-438**  
Jumper; from 1 to 8; insulated; light gray

[www.wago.com/2000-438](http://www.wago.com/2000-438)

**Item no.: 2000-439**  
Jumper; from 1 to 9; insulated; light gray

[www.wago.com/2000-439](http://www.wago.com/2000-439)

**Item no.: 2000-440**  
Jumper; from 1 to 10; insulated; light gray

[www.wago.com/2000-440](http://www.wago.com/2000-440)

**Item no.: 210-103**  
Wire commoning chain; insulated; black

[www.wago.com/210-103](http://www.wago.com/210-103)

## 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](http://www.wago.com/210-197)

**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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/210-196)

## Ferrule

### Ferrule

**Item no.: 216-241**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

[www.wago.com/216-241](http://www.wago.com/216-241)

**Item no.: 216-242**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight

[www.wago.com/216-242](http://www.wago.com/216-242)

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Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

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crimped; acc. to DIN 46228, Part 4/09.90; gray

**Item no.: 216-243**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; [www.wago.com/216-243](http://www.wago.com/216-243)  
acc. to DIN 46228, Part 4/09.90; red

**Push-in type wire jumper**

## Jumper

**Item no.: 2009-404**

Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; gray

[www.wago.com/2009-404](http://www.wago.com/2009-404)

**Item no.: 2009-402**

Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 60 mm long; gray

[www.wago.com/2009-402](http://www.wago.com/2009-402)

**Item no.: 2009-406**

Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; gray

[www.wago.com/2009-406](http://www.wago.com/2009-406)

**Testing and measuring**

## Testing accessories

**Item no.: 2009-174**

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

[www.wago.com/2009-174](http://www.wago.com/2009-174)

**Item no.: 2009-182**

Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

[www.wago.com/2009-182](http://www.wago.com/2009-182)

**Item no.: 2000-510**

TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-510](http://www.wago.com/2000-510)

**Item no.: 2000-511**

TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1-pole; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-511](http://www.wago.com/2000-511)

**Item no.: 2000-549**

Spacer module; modular; e.g., for bridging commoned terminal blocks; gray

[www.wago.com/2000-549](http://www.wago.com/2000-549)

**Item no.: 2000-555**

Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-555](http://www.wago.com/2000-555)

**Item no.: 2000-553**

Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-553](http://www.wago.com/2000-553)

**Item no.: 2000-556**

Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-556](http://www.wago.com/2000-556)

**Item no.: 2000-558**

Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-558](http://www.wago.com/2000-558)

**Item no.: 2000-559**

Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-559](http://www.wago.com/2000-559)

**Item no.: 2000-552**

Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-552](http://www.wago.com/2000-552)

**Item no.: 2000-560**

Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,00 mm<sup>2</sup>; gray

[www.wago.com/2000-560](http://www.wago.com/2000-560)

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<b>Item no.: 2000-554</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/2000-554">www.wago.com/2000-554</a>
<b>Item no.: 2000-557</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/2000-557">www.wago.com/2000-557</a>
<b>Item no.: 859-500</b> WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 10 mm uninsulated; Test lead for soldering up to 0,5mm <sup>2</sup>	<a href="http://www.wago.com/859-500">www.wago.com/859-500</a>
<b>Coding</b>	
Coding	
<b>Item no.: 2020-100</b> Carrier with 6 coding pins; for coding of female plugs; for carrier terminal blocks; orange	<a href="http://www.wago.com/2020-100">www.wago.com/2020-100</a>
<b>Protective warning marker</b>	
Cover	
<b>Item no.: 2000-115</b> Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow	<a href="http://www.wago.com/2000-115">www.wago.com/2000-115</a>

## Downloads

### Documentation

#### Bid Text

2020-1207 X81 - Datei	2019 年2月19日	xml 4.1 kB	Download
2020-1207 docx - Datei	2018 年8月7日	docx 15.3 kB	Download

#### Additional Information

		pdf 2.2 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 2020-1207		URL	Download
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### CAE data

EPLAN Data Portal 2020-1207		URL	Download
WSCAD Universe 2020-1207		URL	Download

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2020-1207

[URL](#)

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1-conductor/1-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5;  
Push-in CAGE CLAMP®; 1,00 mm²; green-yellow

## Installation Notes

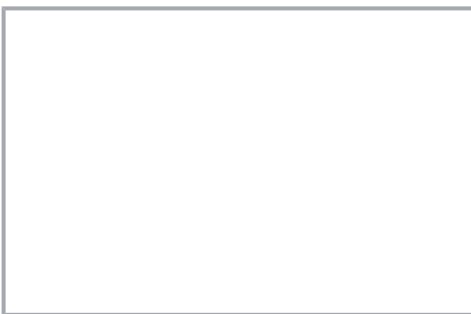
### Installation



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.

### Conductor termination

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



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

### Commoning



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.



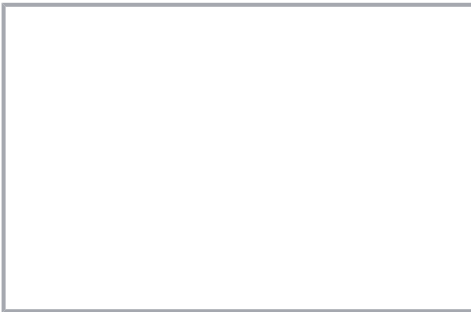
Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

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



Ground carrier terminal block



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.

### Marking



Clear marking via large marking area



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

### Security

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



Carrier terminal blocks and female plugs are touch-proof.

### Product family

**X-COM S-Mini**

[Show all products from the family](#)

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