

**Data sheet | Item number: 2020-1204**

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

[www.wago.com/2020-1204](http://www.wago.com/2020-1204)



**Data**

**Electrical data**

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

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### Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated current	13.5 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

### Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	15 A

### Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

### Power Loss

Power loss, per pole (potential)	0.434 W
Rated current $I_N$ for specified power loss	13.5 A
Resistance value for specified, current-dependent power loss	0.002 $\Omega$

### Connection data

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

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

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## 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	48.5 mm / 1.909 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

## Material Data

Note (material data)	Information on material specifications can be found <a href="#">here</a>
Color	blue
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.082 MJ
Weight	3.6 g

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



## 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	27-14-11-20
eCl@ss 9.0	27-14-11-20
ETIM 8.0	EC000897
ETIM 7.0	EC000897
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821145394
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
	<b>CCA</b> DEKRA Certification B.V.	EN 60947	NTR NL 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>	-	-

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## 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
	<b>LR</b> Lloyds Register	EN 60947	91/20112 (E9)

## Counterpart

<b>Item no.2020-102</b> 1-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 2-pole; 1,50 mm <sup>2</sup> ; 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 mm <sup>2</sup> ; Pin spacing 3.5 mm; 2-pole; 1,50 mm <sup>2</sup> ; 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> End and intermediate plate; 1 mm thick; gray	<a href="http://www.wago.com/2020-1291">www.wago.com/2020-1291</a>

## Optional accessories

## Carrier rail

Mounting accessories	
<b>Item no.: 210-197</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-197">www.wago.com/210-197</a>
<b>Item no.: 210-198</b> Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	<a href="http://www.wago.com/210-198">www.wago.com/210-198</a>
<b>Item no.: 210-113</b>	

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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)

**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)

**Item no.: 2000-407/000-006**

Jumper; 7-way; insulated; blue [www.wago.com/2000-407/000-006](http://www.wago.com/2000-407/000-006)

**Item no.: 2000-410**

Jumper; 10-way; insulated; light gray [www.wago.com/2000-410](http://www.wago.com/2000-410)

**Item no.: 2000-410/000-006**

Jumper; 10-way; insulated; blue [www.wago.com/2000-410/000-006](http://www.wago.com/2000-410/000-006)

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<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>
<b>Item no.: 2000-402/000-005</b> Jumper; 2-way; insulated; red	<a href="http://www.wago.com/2000-402/000-005">www.wago.com/2000-402/000-005</a>
<b>Item no.: 2000-402/000-018</b> Jumper; 2-way; insulated; yellow-green	<a href="http://www.wago.com/2000-402/000-018">www.wago.com/2000-402/000-018</a>
<b>Item no.: 2000-404</b> Jumper; 4-way; insulated; light gray	<a href="http://www.wago.com/2000-404">www.wago.com/2000-404</a>

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**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)

**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)

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<b>Item no.: 2000-440</b> Jumper; from 1 to 10; insulated; light gray	<a href="http://www.wago.com/2000-440">www.wago.com/2000-440</a>
<b>Item no.: 210-103</b> Wire commoning chain; insulated; black	<a href="http://www.wago.com/210-103">www.wago.com/210-103</a>
<b>Marking accessories</b>	
Marking strip	
<b>Item no.: 2009-110</b> Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
Marker	
<b>Item no.: 2009-113</b> WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white	<a href="http://www.wago.com/2009-113">www.wago.com/2009-113</a>
<b>Item no.: 793-3501</b> WMB marking card; as card; plain; snap-on type; white	<a href="http://www.wago.com/793-3501">www.wago.com/793-3501</a>
<b>Tool</b>	
Operating tool	
<b>Item no.: 210-648</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short	<a href="http://www.wago.com/210-648">www.wago.com/210-648</a>
<b>Item no.: 210-647</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured	<a href="http://www.wago.com/210-647">www.wago.com/210-647</a>
<b>Item no.: 210-719</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-719">www.wago.com/210-719</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>
<b>Push-in type wire jumper</b>	
Jumper	
<b>Item no.: 2009-404</b> Push-in type wire jumper; 0.75 mm <sup>2</sup> ; insulated; 110 mm long; gray	<a href="http://www.wago.com/2009-404">www.wago.com/2009-404</a>
<b>Item no.: 2009-402</b> Push-in type wire jumper; 0.75 mm <sup>2</sup> ; insulated; 60 mm long; gray	<a href="http://www.wago.com/2009-402">www.wago.com/2009-402</a>
<b>Item no.: 2009-406</b> Push-in type wire jumper; 0.75 mm <sup>2</sup> ; insulated; 250 mm long; gray	<a href="http://www.wago.com/2009-406">www.wago.com/2009-406</a>
<b>Testing and measuring</b>	
Testing accessories	
<b>Item no.: 2009-174</b> Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray	<a href="http://www.wago.com/2009-174">www.wago.com/2009-174</a>
<b>Item no.: 2009-182</b>	

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



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)

**Item no.: 2000-554**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,00 mm<sup>2</sup>; gray [www.wago.com/2000-554](http://www.wago.com/2000-554)

**Item no.: 2000-557**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,00 mm<sup>2</sup>; gray [www.wago.com/2000-557](http://www.wago.com/2000-557)

**Item no.: 859-500**  
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> [www.wago.com/859-500](http://www.wago.com/859-500)

#### Coding

Coding

**Item no.: 2020-100**  
Carrier with 6 coding pins; for coding of female plugs; for carrier terminal blocks; orange [www.wago.com/2020-100](http://www.wago.com/2020-100)

#### 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**

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Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

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

**Item no.: 216-243**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

[www.wago.com/216-243](http://www.wago.com/216-243)

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**Environmental Product Compliance****Compliance Search**

Environmental Product Compliance 2020-1204

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1-conductor/1-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; blue

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

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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.

## Installation Notes

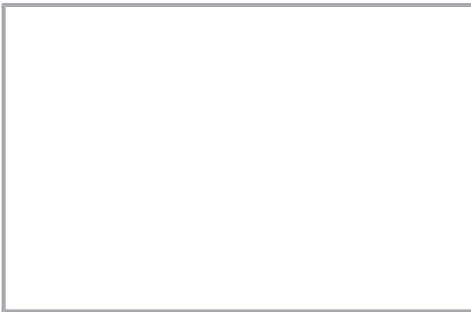
### Installation



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



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

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

### 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



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

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

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.



Carrier terminal block

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



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

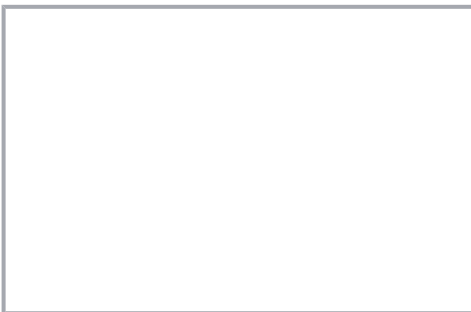


Clear marking via large marking area



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

### Security



Carrier terminal blocks and female plugs are touch-proof.

### Product family

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



**X-COM S-Mini**

[Show all products from the family](#)

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