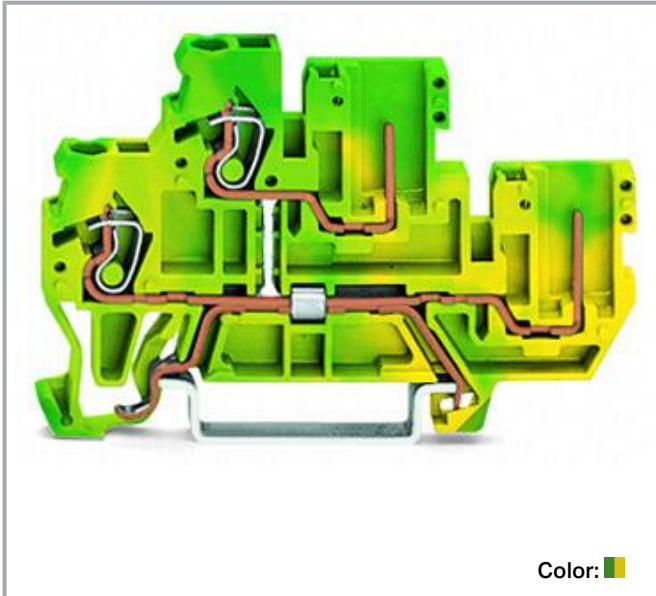


## Data sheet | Item number: 870-107

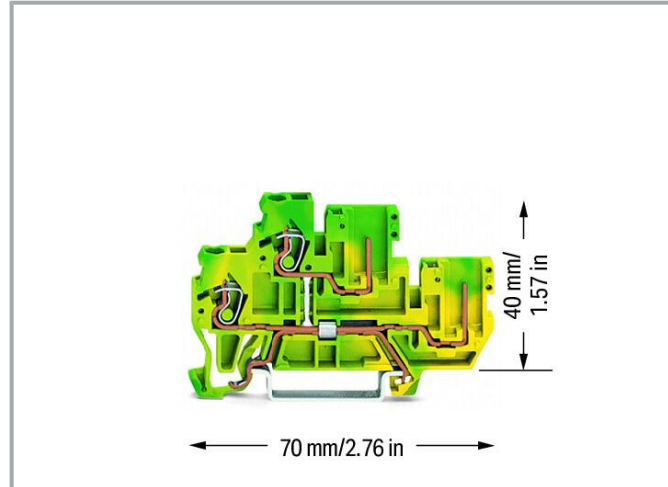
2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin ground terminal block; 2.5 mm<sup>2</sup>; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm<sup>2</sup>; green-yellow



[www.wago.com/870-107](http://www.wago.com/870-107)



Color: 



### Data

#### Notes

Safety information

Max. insulation diameter: 4.4 mm

Safety information 2

2-conductor female plugs cannot be used.

#### Connection data

Connection points

2

Total number of potentials

1

Number of levels

2

#### Connection 1

Connection technology

CAGE CLAMP®

Actuation type

Operating tool

Connectable conductor materials

Copper

Solid conductor

0.08 ... 2.5 mm<sup>2</sup> / 28 ... 12 AWG

Fine-stranded conductor

0.08 ... 4 mm<sup>2</sup> / 28 ... 12 AWG

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

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Fine-stranded conductor; with insulated ferrule	0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inches
Wiring direction	Front-entry wiring

### Physical data

Width	5 mm / 0.197 inches
Height	70 mm / 2.756 inches
Depth from upper-edge of DIN-rail	40 mm / 1.575 inches

### Mechanical Data

Potential marking	PE
Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side marking

### 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	0.165 MJ
Weight	11 g

### Environmental requirements

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

### Commercial data

eCl@ss 10.0	27-14-11-41
eCl@ss 9.0	27-14-11-41
ETIM 8.0	EC000901
ETIM 7.0	EC000901
PU (SPU)	50 pcs
Packaging type	box

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




Country of origin	DE
GTIN	4045454225346
Customs tariff number	85366990990

## Environmental Product Compliance



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

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7468
	CCA DEKRA Certification B.V.	EN 60947	2189801.01
	cURus UL International Germany GmbH	UL 1059	E45172

### Declarations of conformity and manufacturer's declarations

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

### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	20- HG1941090- PDA

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



LR  
Lloyds Register

EN 60947

91/20112  
(E9)

## Counterpart



Item no.769-101/000-016

1-conductor female connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm<sup>2</sup>; green-yellow

[www.wago.com/769-101/000-016](http://www.wago.com/769-101/000-016)



Item no.769-101/022-016

1-conductor female connector, angled; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm<sup>2</sup>; green-yellow

[www.wago.com/769-101/022-016](http://www.wago.com/769-101/022-016)

## Required accessories

### End plate

End plate



Item no.: 870-119

End and intermediate plate; 1 mm thick; orange

[www.wago.com/870-119](http://www.wago.com/870-119)



Item no.: 870-118

End and intermediate plate; 1 mm thick; gray

[www.wago.com/870-118](http://www.wago.com/870-118)

## Optional accessories

### Insulation stop

Insulation stop



Item no.: 280-472

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; black

[www.wago.com/280-472](http://www.wago.com/280-472)



Item no.: 280-470

Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white

[www.wago.com/280-470](http://www.wago.com/280-470)



Item no.: 280-471

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray

[www.wago.com/280-471](http://www.wago.com/280-471)

### Carrier rail

Mounting accessories

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

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	<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.: 210-504</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-504">www.wago.com/210-504</a>
	<b>Item no.: 210-505</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-505">www.wago.com/210-505</a>
	<b>Item no.: 210-506</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-506">www.wago.com/210-506</a>
	<b>Item no.: 210-508</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-508">www.wago.com/210-508</a>
	<b>Item no.: 210-113</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-113">www.wago.com/210-113</a>
	<b>Item no.: 210-118</b> Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-118">www.wago.com/210-118</a>
	<b>Item no.: 210-112</b> 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	<a href="http://www.wago.com/210-112">www.wago.com/210-112</a>
	<b>Item no.: 210-114</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-114">www.wago.com/210-114</a>
	<b>Item no.: 210-115</b> 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	<a href="http://www.wago.com/210-115">www.wago.com/210-115</a>
	<b>Item no.: 210-196</b> Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-196">www.wago.com/210-196</a>

**Marking accessories**

<b>Marker carrier</b>		
	<b>Item no.: 2009-198</b> Adaptor; gray	<a href="http://www.wago.com/2009-198">www.wago.com/2009-198</a>
<b>Marker</b>		
	<b>Item no.: 2009-145</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>

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

	<p><b>Item no.: 2009-115</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>
	<p><b>Item no.: 248-501</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>	<a href="http://www.wago.com/248-501">www.wago.com/248-501</a>
	<p><b>Item no.: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white</p>	<a href="http://www.wago.com/793-501">www.wago.com/793-501</a>
	<p><b>Item no.: 793-5501</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>
<b>Group marker carrier</b>		
	<p><b>Item no.: 870-183</b> Adaptor; gray</p>	<a href="http://www.wago.com/870-183">www.wago.com/870-183</a>
	<p><b>Item no.: 870-182</b> Adaptor; gray</p>	<a href="http://www.wago.com/870-182">www.wago.com/870-182</a>
	<p><b>Item no.: 870-184</b> Adaptor; gray</p>	<a href="http://www.wago.com/870-184">www.wago.com/870-184</a>
<b>Testing and measuring</b>		
Testing accessories		
	<p><b>Item no.: 870-425</b> Tap-off module; with anti-rotation protection; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray</p>	<a href="http://www.wago.com/870-425">www.wago.com/870-425</a>
	<p><b>Item no.: 870-426</b> Tap-off module; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray</p>	<a href="http://www.wago.com/870-426">www.wago.com/870-426</a>
	<p><b>Item no.: 870-427</b> Spacer module; modular; bridging commoned terminal blocks; gray</p>	<a href="http://www.wago.com/870-427">www.wago.com/870-427</a>
<b>Cover</b>		
Cover		
	<p><b>Item no.: 769-438</b> Pin cover; with marker slot for miniature WSB; gray</p>	<a href="http://www.wago.com/769-438">www.wago.com/769-438</a>
	<p><b>Item no.: 769-439</b> Pin cover; with marker slot for miniature WSB; orange</p>	<a href="http://www.wago.com/769-439">www.wago.com/769-439</a>
<b>Mounting</b>		
Mounting accessories		
	<p><b>Item no.: 209-106</b> Mounting carrier; for isolated mounting on DIN 35 rails; gray</p>	<a href="http://www.wago.com/209-106">www.wago.com/209-106</a>

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



**Item no.: 249-116**  
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

[www.wago.com/249-116](http://www.wago.com/249-116)

**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](http://www.wago.com/210-720)

**Ferrule**

Ferrule

	<b>Item no.: 216-123</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-123">www.wago.com/216-123</a>
	<b>Item no.: 216-122</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-122">www.wago.com/216-122</a>
	<b>Item no.: 216-124</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated	<a href="http://www.wago.com/216-124">www.wago.com/216-124</a>
	<b>Item no.: 216-132</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated	<a href="http://www.wago.com/216-132">www.wago.com/216-132</a>
	<b>Item no.: 216-121</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-121">www.wago.com/216-121</a>
	<b>Item no.: 216-131</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-131">www.wago.com/216-131</a>
	<b>Item no.: 216-223</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red	<a href="http://www.wago.com/216-223">www.wago.com/216-223</a>
	<b>Item no.: 216-222</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	<a href="http://www.wago.com/216-222">www.wago.com/216-222</a>
	<b>Item no.: 216-221</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white	<a href="http://www.wago.com/216-221">www.wago.com/216-221</a>
	<b>Item no.: 216-224</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black	<a href="http://www.wago.com/216-224">www.wago.com/216-224</a>
	<b>Item no.: 216-321</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow	<a href="http://www.wago.com/216-321">www.wago.com/216-321</a>
	<b>Item no.: 216-322</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise	<a href="http://www.wago.com/216-322">www.wago.com/216-322</a>

**Jumpers**

Jumper

	<b>Item no.: 870-402</b>	<a href="http://www.wago.com/870-402">www.wago.com/870-402</a>
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Subject to changes. Please also observe the further product documentation!

Jumper; 2-way; insulated; light gray



Item no.: 870-404

[www.wago.com/870-404](http://www.wago.com/870-404)



Item no.: 870-405

Jumper; 5-way; insulated; light gray

[www.wago.com/870-405](http://www.wago.com/870-405)



Item no.: 870-407

Jumper; 7-way; insulated; light gray

[www.wago.com/870-407](http://www.wago.com/870-407)



Item no.: 870-408

Jumper; 8-way; insulated; light gray

[www.wago.com/870-408](http://www.wago.com/870-408)



Item no.: 870-403

Jumper; 3-way; insulated; light gray

[www.wago.com/870-403](http://www.wago.com/870-403)



Item no.: 870-409

Jumper; 9-way; insulated; light gray

[www.wago.com/870-409](http://www.wago.com/870-409)



Item no.: 870-406

Jumper; 6-way; insulated; light gray

[www.wago.com/870-406](http://www.wago.com/870-406)



Item no.: 870-433

Jumper; from 1 to 3; insulated; light gray

[www.wago.com/870-433](http://www.wago.com/870-433)



Item no.: 870-435

Jumper; from 1 to 5; insulated; light gray

[www.wago.com/870-435](http://www.wago.com/870-435)



Item no.: 870-410

Jumper; 10-way; insulated; light gray

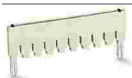
[www.wago.com/870-410](http://www.wago.com/870-410)



Item no.: 870-434

Jumper; from 1 to 4; insulated; light gray

[www.wago.com/870-434](http://www.wago.com/870-434)



Item no.: 870-440

Jumper; from 1 to 10; insulated; light gray

[www.wago.com/870-440](http://www.wago.com/870-440)



Item no.: 870-406/020-000

Delta jumper; insulated; light gray

[www.wago.com/870-406/020-000](http://www.wago.com/870-406/020-000)

**Protective warning marker**

Cover



Item no.: 280-405

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

[www.wago.com/280-405](http://www.wago.com/280-405)

**Coding**

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

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Coding



Item no.: 769-435

Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

[www.wago.com/769-435](http://www.wago.com/769-435)

Downloads

Documentation

Bid Text

870-107 X81 - Datei	2019 Feb 19	xml 3.2 kB	Download
870-107 doc - Datei	2017 Oct 4	doc 25.1 kB	Download

Additional Information

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

CAD data

2D/3D Models 870-107		URL	Download
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CAE data

EPLAN Data Portal 870-107		URL	Download
ZUKEN Portal 870-107		URL	Download
WSCAD Universe 870-107		URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 870-107 2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin ground terminal block; 2.5 mm <sup>2</sup> ; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm <sup>2</sup> ; green-yellow		URL	Download
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Subject to changes. Please also observe the further product documentation!

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## Installation Notes

## Product family

X-COM

[Show all products from the family](#)

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

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