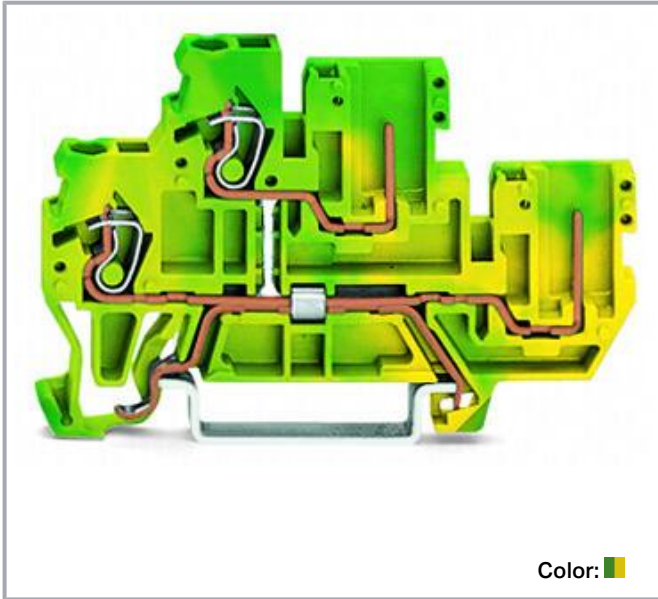


**Data sheet | Item number: 870-107**

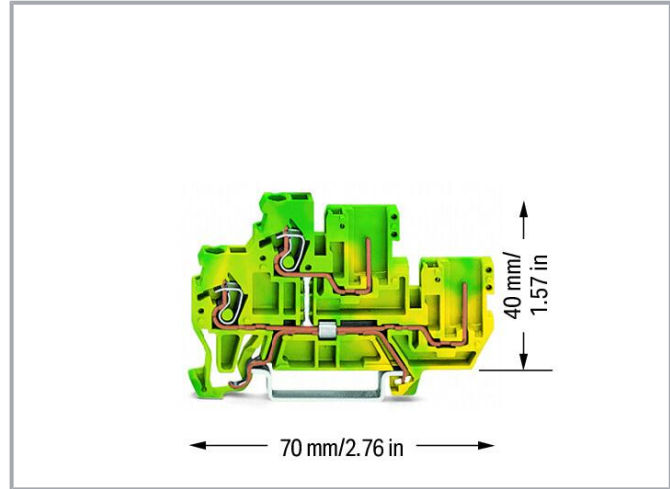
2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin ground terminal block; 2.5 mm<sup>2</sup>; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm<sup>2</sup>; green-yellow



[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.

**Electrical data**

**Ratings per IEC/EN**

Legend (ratings)

**Connection data**

Connection points	2
Total number of potentials	1
Number of levels	2

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

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## 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
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

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

## 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
Country of origin	DE
GTIN	4045454225346
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 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	-	-



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## Approvals for marine applications



Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	20- HG1941090- PDA
	<b>LR</b> Lloyds Register	EN 60947	91/20112 (E9)

## Counterpart

	<b>Item no.769-101/000-016</b> 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	<a href="http://www.wago.com/769-101/000-016">www.wago.com/769-101/000-016</a>
	<b>Item no.769-101/022-016</b> 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	<a href="http://www.wago.com/769-101/022-016">www.wago.com/769-101/022-016</a>


## Required accessories

## End plate

	<b>Item no.: 870-119</b> End and intermediate plate; 1 mm thick; orange	<a href="http://www.wago.com/870-119">www.wago.com/870-119</a>
	<b>Item no.: 870-118</b> End and intermediate plate; 1 mm thick; gray	<a href="http://www.wago.com/870-118">www.wago.com/870-118</a>

## Optional accessories

## Tool

	<b>Item no.: 210-720</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
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Subject to changes. Please also observe the further product documentation!

## Cover

## Cover

**Item no.: 769-438**

Pin cover; with marker slot for miniature WSB; gray

[www.wago.com/769-438](http://www.wago.com/769-438)**Item no.: 769-439**

Pin cover; with marker slot for miniature WSB; orange

[www.wago.com/769-439](http://www.wago.com/769-439)

## 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**

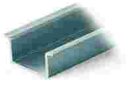
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

[www.wago.com/210-198](http://www.wago.com/210-198)**Item no.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

[www.wago.com/210-504](http://www.wago.com/210-504)**Item no.: 210-505**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

[www.wago.com/210-505](http://www.wago.com/210-505)**Item no.: 210-506**

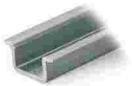
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

[www.wago.com/210-506](http://www.wago.com/210-506)**Item no.: 210-508**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

[www.wago.com/210-508](http://www.wago.com/210-508)**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)

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

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**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)

**Coding**

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)

**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)

**Marking accessories**

Marker carrier



**Item no.: 2009-198**

Adaptor; gray

[www.wago.com/2009-198](http://www.wago.com/2009-198)

Marker



**Item no.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-145](http://www.wago.com/2009-145)



**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](http://www.wago.com/2009-115)



**Item no.: 248-501**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/248-501](http://www.wago.com/248-501)



**Item no.: 793-501**

WMB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/793-501](http://www.wago.com/793-501)



**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](http://www.wago.com/793-5501)

Group marker carrier



**Item no.: 870-183**

Adaptor; gray

[www.wago.com/870-183](http://www.wago.com/870-183)



**Item no.: 870-182**

Adaptor; gray

[www.wago.com/870-182](http://www.wago.com/870-182)

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

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	<b>Item no.: 870-184</b> Adaptor; gray	<a href="http://www.wago.com/870-184">www.wago.com/870-184</a>
<b>Ferrule</b>		
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>
<b>Jumpers</b>		
Jumper		
	<b>Item no.: 870-402</b> Jumper; 2-way; insulated; light gray	<a href="http://www.wago.com/870-402">www.wago.com/870-402</a>
	<b>Item no.: 870-404</b> Jumper; 4-way; insulated; light gray	<a href="http://www.wago.com/870-404">www.wago.com/870-404</a>
	<b>Item no.: 870-405</b> Jumper; 5-way; insulated; light gray	<a href="http://www.wago.com/870-405">www.wago.com/870-405</a>

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

	<b>Item no.: 870-407</b> Jumper; 7-way; insulated; light gray	<a href="http://www.wago.com/870-407">www.wago.com/870-407</a>
	<b>Item no.: 870-408</b> Jumper; 8-way; insulated; light gray	<a href="http://www.wago.com/870-408">www.wago.com/870-408</a>
	<b>Item no.: 870-403</b> Jumper; 3-way; insulated; light gray	<a href="http://www.wago.com/870-403">www.wago.com/870-403</a>
	<b>Item no.: 870-409</b> Jumper; 9-way; insulated; light gray	<a href="http://www.wago.com/870-409">www.wago.com/870-409</a>
	<b>Item no.: 870-406</b> Jumper; 6-way; insulated; light gray	<a href="http://www.wago.com/870-406">www.wago.com/870-406</a>
	<b>Item no.: 870-433</b> Jumper; from 1 to 3; insulated; light gray	<a href="http://www.wago.com/870-433">www.wago.com/870-433</a>
	<b>Item no.: 870-435</b> Jumper; from 1 to 5; insulated; light gray	<a href="http://www.wago.com/870-435">www.wago.com/870-435</a>
	<b>Item no.: 870-410</b> Jumper; 10-way; insulated; light gray	<a href="http://www.wago.com/870-410">www.wago.com/870-410</a>
	<b>Item no.: 870-434</b> Jumper; from 1 to 4; insulated; light gray	<a href="http://www.wago.com/870-434">www.wago.com/870-434</a>
	<b>Item no.: 870-440</b> Jumper; from 1 to 10; insulated; light gray	<a href="http://www.wago.com/870-440">www.wago.com/870-440</a>
	<b>Item no.: 870-406/020-000</b> Delta jumper; insulated; light gray	<a href="http://www.wago.com/870-406/020-000">www.wago.com/870-406/020-000</a>

### Testing and measuring

#### Testing accessories

	<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	<a href="http://www.wago.com/870-425">www.wago.com/870-425</a>
	<b>Item no.: 870-426</b> Tap-off module; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray	<a href="http://www.wago.com/870-426">www.wago.com/870-426</a>
	<b>Item no.: 870-427</b> Spacer module; modular; bridging commoned terminal blocks; gray	<a href="http://www.wago.com/870-427">www.wago.com/870-427</a>

### Mounting

#### Mounting accessories

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





**Item no.: 209-106**  
Mounting carrier; for isolated mounting on DIN 35 rails; gray

[www.wago.com/209-106](http://www.wago.com/209-106)



**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)

**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)

**Downloads**

**Documentation**

**Bid Text**

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

		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
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ZUKEN Portal 870-107		URL	Download
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WSCAD Universe 870-107		URL	Download
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**Environmental Product Compliance**

**Compliance Search**

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

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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

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[URL](#)

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## Installation Notes

## Product family

**X-COM**

[Show all products from the family](#)

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