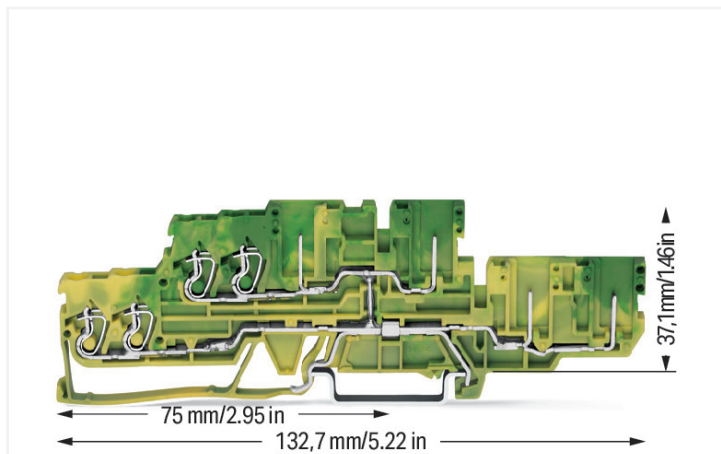


Data Sheet | Item Number: 870-137

4-conductor/4-pin, double-deck carrier terminal block; 4-conductor/4-pin ground terminal block; 2.5 mm²; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; green-yellow



<https://www.wago.com/870-137>



Color: ■ green-yellow

Double-deck terminal block, 870 Series, operating tool

This double-deck terminal block (item number 870-137) simplifies electrical installations. Ensure that the strip lengths are between 6 and 7 mm when connecting conductors to this double-deck terminal block. Pluggable rail-mount terminal blocks are mainly used in switchgear units and control systems (e.g., in railroad technology). They are essentially a combination of rail-mount terminal blocks and pluggable connectors. You can also pre-assemble installations thanks to the variable wiring system. This saves both time and money during manufacture, installation, operation, and maintenance. The double-deck terminal block also functions as a ground terminal block. Featuring conductor terminals along with CAGE CLAMP®, this connector outperforms the competition. Our CAGE CLAMP® connection provides a proven and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. Depending on the type of conductor, this double-deck terminal block is designed for conductor cross sections ranging from 0.08 mm² to 2.5 mm².

An operating tool is used to operate this pluggable rail-mount terminal block.

Notes

Safety Information

Max. insulation diameter: 4.4 mm

Safety information 2

2-conductor female plugs cannot be used.

Electrical data

General information

Wiring direction

Front-entry wiring

Connection Data

Clamping units	4
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 ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.08 ... 1.5 mm ² / 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	132.7 mm / 5.224 inches
Depth from upper-edge of DIN-rail	37.1 mm / 1.461 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 (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.286 MJ
Weight	20.2 g

Environmental requirements

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

Commercial data

Product Group	16 (Rail Mounted Terminal Blocks with CCC)
PU (SPU)	40 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821353379
Customs tariff number	85366990990

Product Classification

UNSPSC	39121410
eCl@ss 10.0	27-14-11-41
eCl@ss 9.0	27-14-11-41
ETIM 9.0	EC000901
ETIM 10.0	EC000901
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



Approval	Standard	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



Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
Railway WAGO GmbH & Co. KG	-	Z00004430.000
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	24-0152298-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 870-137

Documentation

Bid Text			
870-137	19.02.2019	xml 3.38 KB	↓
870-137	04.10.2017	doc 25.00 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 870-137	↓

CAE data	
EPLAN Data Portal 870-137	↓
WSCAD Universe 870-137	↓
ZUKEN Portal 870-137	↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 769-101/000-016
 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; green-yellow

1.2 Required Accessories

1.2.1 End plate

1.2.1.1 End plate



Item No.: 870-148
 End and intermediate plate; 1 mm thick; gray



Item No.: 870-149
 End and intermediate plate; 1 mm thick; orange

1.3 Optional Accessories

1.3.1 Coding

1.3.1.1 Coding



Item No.: 769-435

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

1.3.2 Cover

1.3.2.1 Cover



Item No.: 769-438

Pin cover; with marker slot for miniature WSB; gray



Item No.: 769-439

Pin cover; with marker slot for miniature WSB; orange

1.3.3 DIN-rail

1.3.3.1 Mounting accessories



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



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



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



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



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



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



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



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



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



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



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



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

1.3.4 Ferrule

1.3.4.1 Ferrule



Item No.: 216-321

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-131

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored



Item No.: 216-322

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-132

Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated



Item No.: 216-221

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white



Item No.: 216-121

Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored



Item No.: 216-222

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-122

Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

1.3.4.1 Ferrule



Item No.: 216-223

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

Item No.: 216-123

Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; silver-colored

Item No.: 216-224

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

Item No.: 216-124

Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated

1.3.5 Installation

1.3.5.1 Mounting accessories



Item No.: 209-106

Mounting carrier; for isolated mounting on DIN 35 rails; gray

Item No.: 249-116

Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.3.6 Insulation stop

1.3.6.1 Insulation stop



Item No.: 280-470

Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

Item No.: 280-471

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

Item No.: 280-472

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; black

1.3.7 Jumper

1.3.7.1 Jumper



Item No.: 870-407/011-000

Item No.: 870-409/011-000

Item No.: 870-406/020-000

Item No.: 870-410

Delta jumper; insulated; light gray

Jumper; 10-way; insulated; light gray



Item No.: 870-402

Jumper; 2-way; insulated; light gray

Item No.: 870-403

Jumper; 3-way; insulated; light gray

Item No.: 870-404

Jumper; 4-way; insulated; light gray

Item No.: 870-405

Jumper; 5-way; insulated; light gray



Item No.: 870-406

Jumper; 6-way; insulated; light gray

Item No.: 870-407

Jumper; 7-way; insulated; light gray

Item No.: 870-408

Jumper; 8-way; insulated; light gray

Item No.: 870-409

Jumper; 9-way; insulated; light gray



Item No.: 870-440

Jumper; from 1 to 10; insulated; light gray

Item No.: 870-433

Jumper; from 1 to 3; insulated; light gray

Item No.: 870-434

Jumper; from 1 to 4; insulated; light gray

Item No.: 870-435

Jumper; from 1 to 5; insulated; light gray



Item No.: 870-405/011-000

Jumper; insulated; light gray

1.3.8 Marking

1.3.8.1 Group marker carrier



[Item No.: 870-182](#)
Adaptor; gray

[Item No.: 870-183](#)
Adaptor; gray

[Item No.: 870-184](#)
Adaptor; gray

1.3.8.2 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

[Item No.: 248-501](#)
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

[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

[Item No.: 793-501](#)
WMB marking card; as card; not stretchable; plain; snap-on type; white



[Item No.: 2009-115](#)
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.3.8.3 Marker carrier



[Item No.: 2009-198](#)
Adaptor; gray

1.3.9 Protective warning marker

1.3.9.1 Cover



[Item No.: 280-405](#)
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.3.10 Test and measurement

1.3.10.1 Testing accessories



[Item No.: 870-427](#)
Spacer module; modular; bridging commoned terminal blocks; gray

[Item No.: 870-426](#)
Tap-off module; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray

[Item No.: 870-425](#)
Tap-off module; with anti-rotation protection; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray

1.3.11 Tool

1.3.11.1 Operating tool



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured