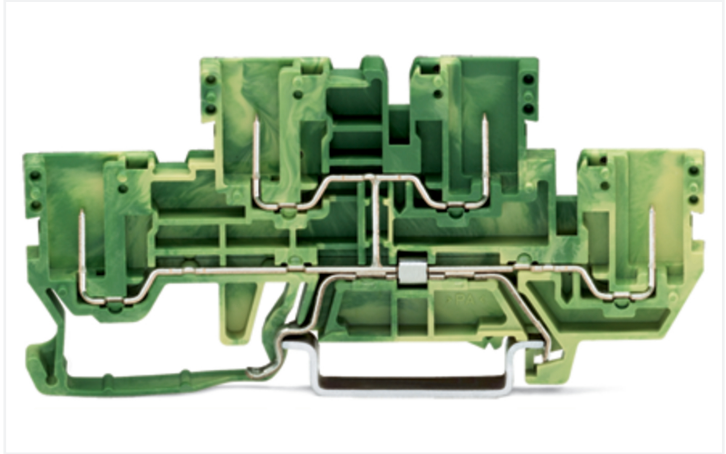
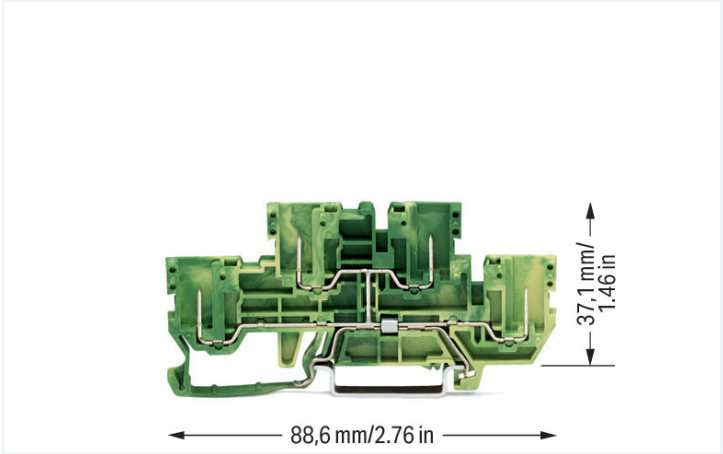




Color: ■ green-yellow

Double-deck terminal block, 870 Series, operating tool

Our double-deck terminal block (item number 870-157) ensures effortless electrical installations. 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. The green-yellow housing is made of polyamide (PA66) for insulation. This pluggable rail-mount terminal block is operated with an operating tool. These pluggable rail-mount terminal blocks are mounted using DIN-35 rails..

Notes		
Safety Information	2-conductor female plugs cannot be used.	

Electrical data

Ratings per IEC/EN	
Rated impulse withstand voltage (III/2)	6 kV
Rated current	16 A

Connection data

Total number of potentials	1	Connection 1	
Number of levels	2	Actuation type	Operating tool
		Wiring direction	Front-entry wiring

Physical data

Width	5 mm / 0.197 inches
Height	88.6 mm / 3.488 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		0.185 MJ
Weight		11.8 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)
eCl@ss 10.0		27-14-11-41
eCl@ss 9.0		27-14-11-41
ETIM 9.0		EC000901
ETIM 8.0		EC000901
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		DE
GTIN		4045454397296
Customs tariff number		85369010000

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates														
General approvals		Declarations of conformity and manufacturer's declarations												
 <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>CCA DEKRA Certification B.V.</td><td>EN 60947</td><td>NTR NL 7468</td></tr><tr><td>CCA DEKRA Certification B.V.</td><td>EN 60947</td><td>2189801.01</td></tr><tr><td>cURus UL International Germany GmbH</td><td>UL 1059</td><td>E45172</td></tr></table>			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
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Approval	Standard	Certificate Name												
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-												
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-												



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	20-HG1941090-PDA

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 870-157



Documentation

Additional Information
Technical Section

pdf
2246.92 KB



Bid Text
870-157
19.02.2019
xml 2.89 KB
870-157
04.10.2017
doc 23.50 KB



CAD/CAE-Data

CAD data
2D/3D Models 870-157



CAE data
EPLAN Data Portal 870-157
WSCAD Universe 870-157
ZUKEN Portal 870-157



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 769-101/022-016](#)
1-conductor female connector, angled;
CAGE CLAMP®; 4 mm²; Pin spacing 5 mm;
1-pole; coding finger; 4,00 mm²; green-
yellow

[Item No.: 769-101/000-016](#)
1-conductor female connector; CAGE
CLAMP®; 4 mm²; Pin spacing 5 mm; 1-po-
le; coding finger; 4,00 mm²; green-yellow



1.2 Required Accessories

1.2.1 End plate

1.2.1.1 End plate



Item No.: 870-168
End and intermediate plate; 1 mm thick; gray



Item No.: 870-169
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 Installation

1.3.4.1 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

1.3.5 Jumper

1.3.5.1 Jumper



[Item No.: 870-405/011-000](#)



[Item No.: 870-407/011-000](#)



[Item No.: 870-409/011-000](#)



[Item No.: 870-406/020-000](#)
Delta jumper; insulated; light gray



[Item No.: 870-410](#)
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

1.3.6 Marking

1.3.6.1 Group marker carrier



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



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



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

1.3.6.2 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

1.3.6.3 Marker carrier



Item No.: 2009-198
Adaptor; gray

1.3.7 Test and measurement

1.3.7.1 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

1.3.8 Tool

1.3.8.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured