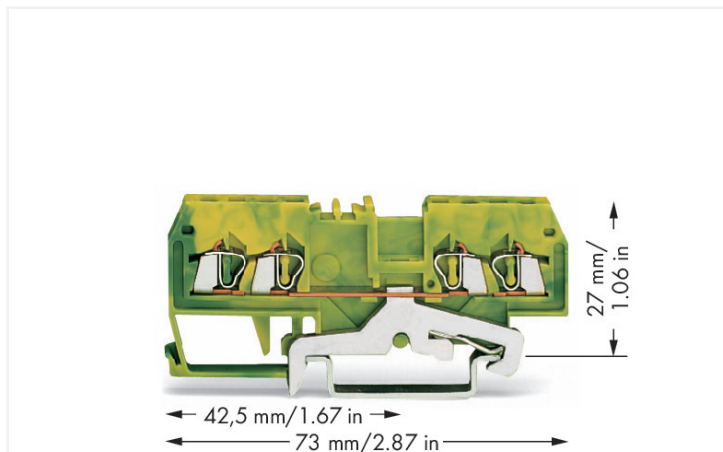


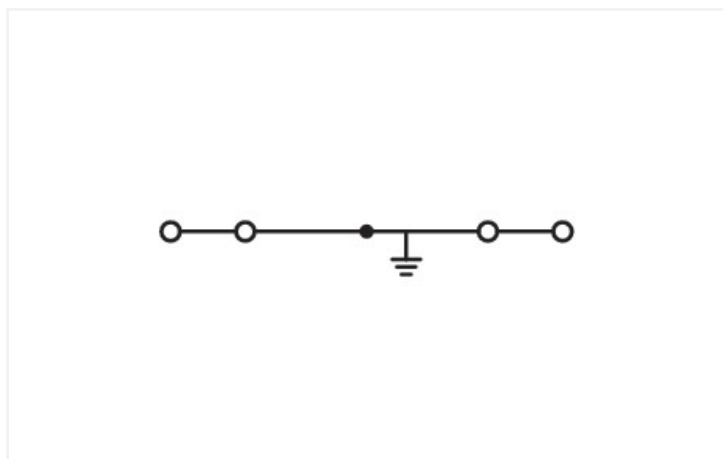
Data Sheet | Item Number: 279-837

4-conductor ground terminal block; 1.5 mm²; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 1,50 mm²; green-yellow

<https://www.wago.com/279-837>



Color: ■ green-yellow



Similar to illustration

Ground terminal block, 279 Series, operating tool

Connect conductors quickly and securely with this ground terminal block (item number 279-837). Conductors should only be connected to this ground terminal block if their strip length is between 8 and 9 mm. WAGO's ground terminal blocks allow you to connect electrical conductors directly to the mounting rail thanks to an integrated contact foot. This connection ensures both electrical and mechanical stability between the conductors and the mounting adapter. This product features conductor terminals and utilizes CAGE CLAMP®. Our celebrated universal connection known as CAGE CLAMP® is industry-leading when it comes to connection technology and electrical interconnections. The item's dimensions are (4 x 73 x 31.5) mm (width x height x depth). This ground terminal block is suitable for conductor cross sections ranging from 0.08 mm² to 1.5 mm².

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

Electrical data

Ratings per	IEC/EN 60947-7-2			General information	
	Overvoltage category	III	III	II	Wiring direction
Pollution degree	3	2	2		
Nominal voltage	-	-	-		
Rated impulse withstand voltage	-	-	-		
Rated current	-	-	-		

Connection Data

Clamping units	4	Connection 1	
Total number of potentials	1	Connection technology	CAGE CLAMP®
Number of levels	1	Actuation type	Operating tool
		Connectable conductor materials	Copper
		Solid conductor	0.08 ... 1.5 mm ² / 28 ... 16 AWG
		Fine-stranded conductor	0.08 ... 1.5 mm ² / 28 ... 16 AWG
		Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
		Wiring direction	Front-entry wiring

Physical data

Width	4 mm / 0.157 inches
Height	73 mm / 2.874 inches
Depth from upper-edge of DIN-rail	27 mm / 1.063 inches
Depth	31.5 mm / 1.24 inches

Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center 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	0.103 MJ
Weight	9.9 g

Environmental requirements

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

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454084455
Customs tariff number	85369010000

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

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	dc6237ce-62af-46e8-b0d8-af258fd7a79c
SCIP notification number (Belgium)	9ea35831-0761-49c1-a077-a2fe79cb00c5
SCIP notification number (Bulgaria)	23cbd304-d4ed-46d2-be95-377184d9d68e
SCIP notification number (Czech Republic)	53f87003-d0e5-4984-8b04-164f3635feae
SCIP notification number (Denmark)	987c8773-2e7f-4b38-ada7-6517ee4fec6a
SCIP notification number (Finland)	cc006f0f-b629-415e-b611-c8feba471066
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SCIP notification number (Germany)	6a0978bd-24ae-4a44-9087-1f5bcc5de09f
SCIP notification number (Hungary)	4882fd3b-d1f4-44f8-bdd9-263dc17d330e
SCIP notification number (Italy)	cddd4cf7-8174-4694-bb2e-de3e04e78391
SCIP notification number (Netherlands)	48fe4c8e-1579-4629-a597-91e3e3a5ddaa
SCIP notification number (Poland)	a80a293e-9ff9-492b-b9a9-a19367f4a73b
SCIP notification number (Romania)	faac2e13-2f59-4482-9fce-2a8f9c4de252
SCIP notification number (Sweden)	daabcbae-7159-4ad4-8723-ae645596854c

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2 No. 158	70133738
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2160584.04
UL Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	24-0152298-PDA
BV Bureau Veritas S.A.	EN 60947	07436/G0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2
LR Lloyds Register	EN 60947	LR23325966TA
PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 279-837 ↓

Documentation

Bid Text			
279-837	19.02.2019	xml 3.05 KB	↓
279-837	28.02.2017	doc 23.50 KB	↓

CAD/CAE-Data

CAD data
2D/3D Models 279-837 ↓

CAE data
EPLAN Data Portal 279-837 ↓
WSCAD Universe 279-837 ↓
ZUKEN Portal 279-837 ↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 279-344
End and intermediate plate; 2 mm thick; gray



Item No.: 279-346
End and intermediate plate; 2 mm thick; orange



Item No.: 279-345
Separator plate; 2 mm thick; oversized; gray



Item No.: 279-347
Separator plate; 2 mm thick; oversized; orange

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 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; 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; 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

1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-301
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-302
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-201
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored



Item No.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored



Item No.: 216-203
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item No.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated

1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-153

Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

1.2.3.2 Cover carrier



Item No.: 709-167

Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.2.3.3 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

1.2.4 Insulation stop

1.2.4.1 Insulation stop



Item No.: 279-470

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



Item No.: 279-471

Insulation stop; 0.25 mm²; 5 pieces/strip; dark gray

1.2.5 Jumper

1.2.5.1 Jumper



Item No.: 279-490

Jumper; 10-way; insulated; gray



Item No.: 279-482

Jumper; 2-way; insulated; gray



Item No.: 279-492

Jumper; 2-way; insulated; gray



Item No.: 279-483

Jumper; 3-way; insulated; gray



Item No.: 279-402

Jumper; insulated; gray



Item No.: 279-409

Jumper; insulated; gray



Item No.: 279-422

Jumper; insulated; yellow-green

1.2.6 Marking

1.2.6.1 Double marker carrier



Item No.: [209-128](#)

Adaptor; gray

1.2.6.2 Group marker carrier



Item No.: [209-140](#)

Group marker carrier; gray



Item No.: [209-141](#)

Group marker carrier; gray



Item No.: [209-142](#)

Group marker carrier; gray



Item No.: [249-105](#)

Group marker carrier; gray

1.2.6.3 Marker



Item No.: [793-4501/000-006](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue



Item No.: [793-4501/000-014](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown



Item No.: [793-4501/000-007](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray



Item No.: [793-4501/000-023](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green



Item No.: [793-4501/000-017](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green



Item No.: [793-4501/000-012](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange



Item No.: [793-4501/000-005](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red



Item No.: [793-4501/000-024](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet



Item No.: [793-4501](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white



Item No.: [793-4501/000-002](#)

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow



Item No.: [2009-114/000-006](#)

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue



Item No.: [2009-114/000-007](#)

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray



Item No.: [2009-114/000-023](#)

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green



Item No.: [2009-114/000-012](#)

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange



Item No.: [2009-114/000-005](#)

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red



Item No.: [2009-114/000-024](#)

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet



Item No.: [2009-114](#)

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white



Item No.: [2009-114/000-002](#)

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow

1.2.7 Protective warning marker

1.2.7.1 Cover



Item No.: [279-415](#)

Protective warning marker; 5-pole; with high-voltage symbol, black; yellow

1.2.8 Push-in type wire jumper

1.2.8.1 Jumper



Item No.: 249-126

Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; black



Item No.: 249-123

Push-in type wire jumper; 0.75 mm²; insulated; 180 mm long; black



Item No.: 249-127

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; black



Item No.: 249-125

Push-in type wire jumper; insulated; 60 mm long; black

1.2.9 Test and measurement

1.2.9.1 Testing accessories



Item No.: 280-404

Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm² - 4 mm² tbs; gray



Item No.: 209-170

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm² - 10 mm² tbs; gray

1.2.10 Tool

1.2.10.1 Operating tool



Item No.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



Item No.: 210-648

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short



Item No.: 210-647

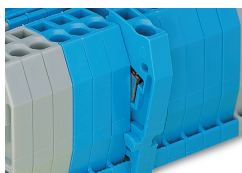
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

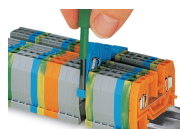
Installation



Snapping a ground conductor block onto the DIN-rail automatically makes a direct electrical connection to the rail.



Quick assembly keys prevent reverse mounting.

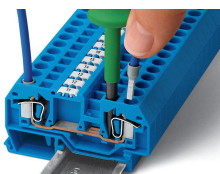


Removing a terminal block from the assembly.

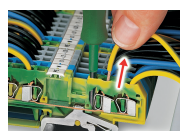
Conductor termination



CAGE CLAMP® connection
Inserting a conductor.



CAGE CLAMP® connection
Inserting a conductor.
With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.

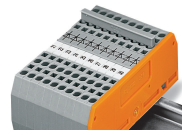
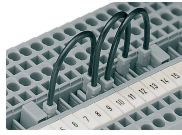


CAGE CLAMP® connection
Removing a solid conductor.



Inserting insulation stops.

Commoning



Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers. WAGO recommends using yellow-green adjacent jumpers in addition to the required marking of these blocks.

Push-In Type Wire Jumpers

When installing machines or control systems, it is often necessary to make an additional connection between two terminal blocks that are not next to each other on the rail. In such cases, WAGO's touch-proof, push-in type wire jumpers are the ideal solution.

These jumpers are compatible with the following rail-mount terminal blocks:

- 279 Series (1.5 mm²/16 AWG),
- 280/775/780 Series (2.5 mm²/14 AWG)
- 281/769/776/777/781 and 880 Series (4 mm²/12 AWG)

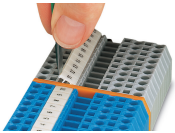
They are available in three conductor lengths (60, 110 and 250 mm), allowing up to 60 terminal blocks to be commoned depending on their width (see table on the right).

The 280/775/780 and 281/776/777/781 Series Terminal Blocks accept two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780/880 and 281/776/777/781 Series allow both wire jumper and adjacent jumper to be simultaneously plugged into a same terminal block.

Commoning using comb-style jumper bars:

Push comb-style jumper bars down until fully inserted.

Marking



Labeling via WMB Multi Marking System.