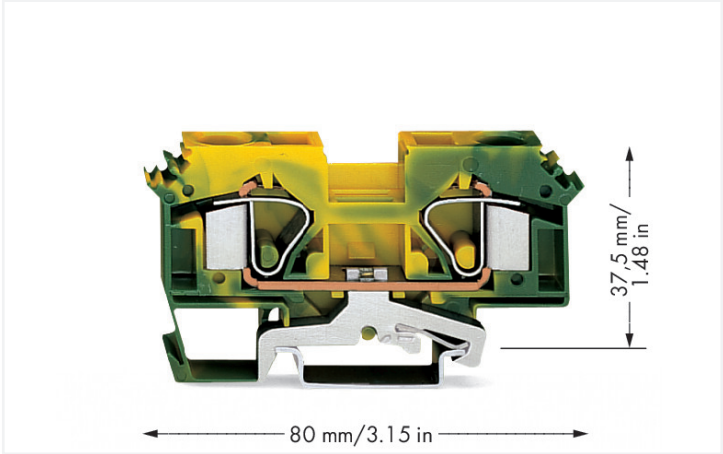


**Data Sheet | Item Number: 283-607**  
2-conductor ground terminal block; 16 mm²; lateral marker slots; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 16,00 mm²; green-yellow  
<https://www.wago.com/283-607>



Color: ■ green-yellow

Ground terminal block, 283 Series, CAGE CLAMP®

Connect conductors quickly and safely with this ground terminal block (item number 283-607). Ground terminal blocks connect directly to the mounting rail via an integrated contact foot. This creates an electrical and mechanical connection between the electrical conductors and the mounting adapter. Ensure that the strip lengths are between 16 mm and 17 mm when connecting conductors to this ground terminal block. This product features conductor terminals and utilizes CAGE CLAMP®. Our trusted universal connection known as CAGE CLAMP® leads the way when it comes to connection technology and electrical interconnections. Depending on the type of conductor, this ground terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 16 mm². It has one level. The single potential can connect using the two clamping points. The green-yellow housing is made of polyamide (PA66) for insulation. This through rail-mount terminal block is operated with an operating tool. These through rail-mount terminal blocks are mounted using DIN-35 rails. You can connect copper conductors via front-entry wiring.

Electrical data

Ratings per	IEC/EN 60947-7-2		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	-
Rated surge voltage	-	-	-
Rated current	-	-	-

Connection data

Clamping units	2
Total number of potentials	1
Number of levels	1

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.2 ... 16 mm² / 24 ... 6 AWG
Fine-stranded conductor	0.2 ... 16 mm² / 24 ... 6 AWG
Strip length	16 ... 17 mm / 0.63 ... 0.67 inches
Wiring direction	Front-entry wiring



Physical data	
Width	12 mm / 0.472 inches
Height	80 mm / 3.15 inches
Depth from upper-edge of DIN-rail	37.5 mm / 1.476 inches

Mechanical data	
Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side marking

Material data	
Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	green-yellow
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.449 MJ
Weight	42 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)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454084547
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 8.0	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)	41f4a7ee-6c29-41e2-be2f-99e19e0aeca9
SCIP notification number (Belgium)	364078f0-6f5e-427e-a0f6-78fd1b8dbf09
SCIP notification number (Bulgaria)	b4fd2833-b42f-4c22-a64e-5f8df4654b6c
SCIP notification number (Czech Republic)	07dace2c-202c-4c8e-b7bc-535338e4745e
SCIP notification number (Denmark)	c8cad518-67a1-46d6-891c-31e6113a1cdc
SCIP notification number (Finland)	d0eb975a-fd50-4788-abb3-cb59f6017b55
SCIP notification number (France)	d5bafed5-15d3-4313-8254-e362e1f44d13
SCIP notification number (Germany)	bfb0846a-4f21-4ec6-b323-40d32863335f



Environmental Product Compliance	
SCIP notification number (Hungary)	9e246cb3-59a2-4e94-ba25-e36ab0c0e390
SCIP notification number (Italy)	ef62378c-d62d-4cb8-b9ce-256a109ce518
SCIP notification number (Netherlands)	7a6cf20b-26c0-4621-839a-0e0b2a654cc8
SCIP notification number (Poland)	42c90627-91db-4108-9ac4-a73487210436
SCIP notification number (Romania)	c6b3d24c-a522-42e4-9c6b-3f7dc1bd9541
SCIP notification number (Sweden)	11ea5a99-03f0-4a2d-90d6-2e8b212ee4ea

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
<div><div>CCA</div><div></div><div></div><div></div></div>					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7895	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA DEKRA Certification B.V.	C22.2 No. 158	1536072			
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-120777			
UL UL International Germany GmbH	UL 1059	E45172			

Approvals for marine applications		
<div><div></div><div></div><div></div></div>		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	20-HG1941090-PDA
BV Bureau Veritas S.A.	EN 60947	07436/F0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product  
Compliance 283-607

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CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 283-607	EPLAN Data Portal 283-607
	WSCAD Universe 283-607
	ZUKEN Portal 283-607

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



[Item No.: 283-316](#)  
End and intermediate plate; 4 mm thick; gray



[Item No.: 283-317](#)  
End and intermediate plate; 4 mm thick; orange



[Item No.: 283-337](#)  
Separator plate; 2 mm thick; oversized; gray



[Item No.: 283-327](#)  
Separator plate; 2 mm thick; oversized; orange

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[Item No.: 283-400](#)  
Finger guard; touchproof cover protects unused conductor entries; yellow

1.2.2 DIN-rail

1.2.2.1 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

1.2.3 Ferrule

1.2.3.1 Ferrule



**Item No.: 216-284**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-289**  
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-286**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item No.: 216-287**  
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-288**  
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.2.4 Installation

1.2.4.1 Cover



**Item No.: 709-154**  
Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent

1.2.4.2 Cover carrier



**Item No.: 709-168**  
Cover carrier; Type 2; incl. fixing/retaining screws and knurled nut; suitable for 283 to 285 Series rail-mounted terminal blocks; suitable for 279 to 281 Series double- and triple-deck terminal blocks; suitable for 780 to 785, 775, 776 and 777 Series TOP-JOB® rail-mounted terminal blocks; suitable for 280 Series sensor and actuator terminal blocks; suitable for 282 Series disconnect/test terminal blocks for transformer circuits; gray

1.2.4.3 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



1.2.5 Jumper

1.2.5.1 Jumper



<b>Item No.: 283-402</b> Jumper; insulated; gray	<b>Item No.: 283-409</b> Jumper; insulated; gray	<b>Item No.: 285-435</b> Jumper; insulated; gray	<b>Item No.: 283-422</b> Jumper; insulated; yellow-green
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1.2.6 Marking

1.2.6.1 Group marker carrier



<b>Item No.: 249-105</b> Group marker carrier; gray
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1.2.6.2 Marker



<b>Item No.: 793-5501/000-006</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<b>Item No.: 793-5501/000-007</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray	<b>Item No.: 793-5501/000-023</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green	<b>Item No.: 793-5501/000-017</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green
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<b>Item No.: 793-5501/000-012</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange	<b>Item No.: 793-5501/000-005</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	<b>Item No.: 793-5501/000-024</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet	<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
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<b>Item No.: 793-5501/000-002</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	<b>Item No.: 793-501/000-006</b> WMB marking card; as card; not stretchable; plain; snap-on type; blue	<b>Item No.: 793-501/000-007</b> WMB marking card; as card; not stretchable; plain; snap-on type; gray	<b>Item No.: 793-501/000-023</b> WMB marking card; as card; not stretchable; plain; snap-on type; green
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<b>Item No.: 793-501/000-017</b> WMB marking card; as card; not stretchable; plain; snap-on type; light green	<b>Item No.: 793-501/000-012</b> WMB marking card; as card; not stretchable; plain; snap-on type; orange	<b>Item No.: 793-501/000-005</b> WMB marking card; as card; not stretchable; plain; snap-on type; red	<b>Item No.: 793-501/000-024</b> WMB marking card; as card; not stretchable; plain; snap-on type; violet
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<b>Item No.: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white	<b>Item No.: 793-501/000-002</b> WMB marking card; as card; not stretchable; plain; snap-on type; yellow	<b>Item No.: 2009-115/000-006</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<b>Item No.: 2009-115/000-007</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray
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<b>Item No.: 2009-115/000-023</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	<b>Item No.: 2009-115/000-017</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green	<b>Item No.: 2009-115/000-012</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	<b>Item No.: 2009-115/000-024</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet
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<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	<b>Item No.: 2009-115/000-002</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow
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1.2.7 Power tap

1.2.7.1 Power tap



**Item No.: 283-407**  
Power tap; with 500 mm cable; for 16 mm<sup>2</sup> (283/783 Series) and 35 mm<sup>2</sup>; gray

1.2.8 Protective warning marker

1.2.8.1 Cover



**Item No.: 283-415**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.9 Test and measurement

1.2.9.1 Testing accessories



**Item No.: 283-404**  
Test plug adapter; 11.6 mm wide; for 4 mm Ø test plugs; gray

1.2.10 Tool

1.2.10.1 Operating tool



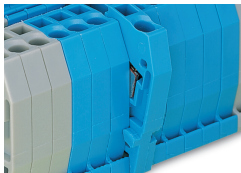
**Item No.: 210-721**  
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

Installation Notes

Installation



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

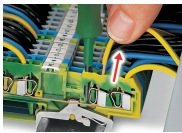
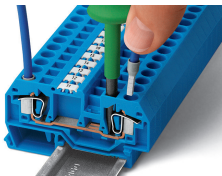


Quick assembly keys prevent reverse mounting.



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.

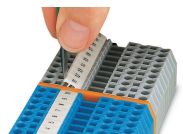
**CAGE CLAMP® connection**  
Removing a solid conductor.

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.

Marking



Labeling via WMB Multi Marking System.