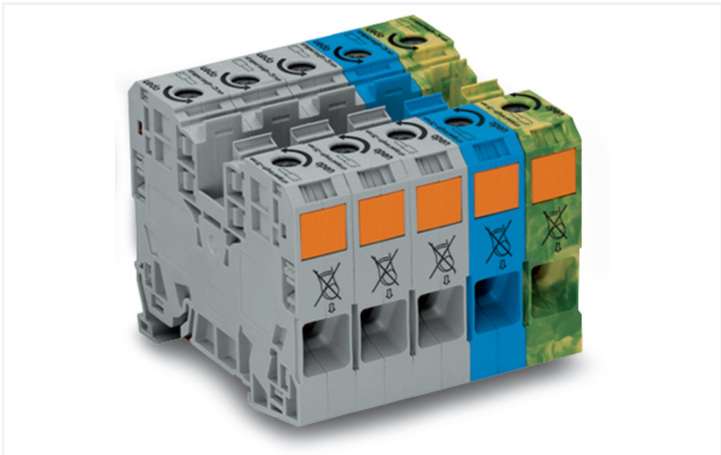


Data Sheet | Item Number: 285-139

Three phase set; with 35 mm² high-current tbs; only for DIN 35 x 15 rail; copper; 35 mm²; POWER CAGE CLAMP; 35,00 mm²; gray/blue/green-yellow

<https://www.wago.com/285-139>



Color: gray/blue/green-yellow

Three-phase set, 285 Series, power cage clamp

Seamless electrical installations are guaranteed with this three-phase set (item number 285-139). Conductors can only be connected to this three-phase set if their strip length is 25 mm. This product features conductor terminals and utilizes POWER CAGE CLAMP. The POWER CAGE CLAMP is a reliable, maintenance-free, and universal way to connect large conductor cross-sections. It's also suitable for all conductor types. The clamping point can be locked open and you do not need to use a torque wrench or prepare the conductor in any way, e.g., by crimping the ferrule. This three-phase set is suitable for conductor cross sections ranging from 6 mm² to 35 mm². It has one level. Five potentials can connect using the ten clamping points. The gray/blue/green-yellow housing is made of polyamide (PA66) for insulation. These high-current terminal blocks are mounted using DIN-rails 35 x 15..

This item includes:

Item No.: 285-134 1	Item No.: 285-135 3	Item No.: 285-137 1
2-conductor through terminal block; 35 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm²; blue	2-conductor through terminal block; 35 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm²; gray	2-conductor ground terminal block; 35 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm²; green-yellow

Electrical data

Ratings per			IEC/EN 60947-7-1				Approvals per				UL 1059			
Overvoltage category	III	III	II				Use group	B	C	D				
Pollution degree	3	2	2				Rated voltage	600 V	600 V	-				
Nominal voltage	1000 V	-	-				Rated current	115 A	115 A	-				
Rated surge voltage	8 kV	-	-											
Rated current	-	-	-											

Approvals per		CSA 22.2 No 158			
Use group	B	C	D		
Rated voltage	600 V	600 V	-		
Rated current	115 A	-	-		



Connection data		
Clamping units	10	
Total number of potentials	5	
Number of levels	1	
Connection 1		
Connection technology	POWER CAGE CLAMP	
Actuation type	Operating tool	
Connectable conductor materials	Copper	
Nominal cross-section	35 mm²	
Solid conductor	6 ... 35 mm² / 10 ... 2 AWG	
Stranded conductor	6 ... 35 mm² / 10 ... 2 AWG	
Fine-stranded conductor	6 ... 35 mm² / 10 ... 2 AWG	
Fine-stranded conductor; with insulated ferrule	6 ... 35 mm² / 8 ... 2 AWG	
Fine-stranded conductor; with uninsulated ferrule	6 ... 35 mm² / 8 ... 2 AWG	
Strip length	25 mm / 0.98 inches	
Wiring direction	Side-entry wiring	

Physical data		
Width	80 mm / 3.15 inches	
Height	86 mm / 3.386 inches	
Depth from upper-edge of DIN-rail	63 mm / 2.48 inches	

Mechanical data		
Design	horizontal type	
Mounting type	DIN-rail 35 x 15	
Mounting (note)	only suitable for DIN 35 x 15 rail	
Marking level	Side marking	


Material data		
Note (material data)	Information on material specifications can be found here	
Color	gray/blue/green-yellow	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Fire load	5.177 MJ	
Halogen-free	Yes	
Weight	425.7 g	

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






Commercial data		
Product Group	1 (Rail Mounted Terminal Blocks)	
eCl@ss 10.0	27-14-11-06	
eCl@ss 9.0	27-14-11-06	
ETIM 9.0	EC001284	
ETIM 8.0	EC001284	
PU (SPU)	1 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4045454584252	
Customs tariff number	85369010000	




Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

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									
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7707									
CSA DEKRA Certification B.V.	C22.2 No. 158	154112									
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562									
UL Underwriters Laboratories Inc.	UL 1059	E45172									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
Approval	Standard	Certificate Name									
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 285-139	

Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2246.92 KB	285-139	
		19.02.2019	xml 3.34 KB
		285-139	
		04.01.2018	doc 25.00 KB
			



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 285-139 	WSCAD Universe 285-139 
	ZUKEN Portal 285-139 

1 Compatible Products
1.1 Optional Accessories
1.1.1 Cover
1.1.1.1 Cover



Item No.: 285-421
Finger guard; touchproof cover protects unused conductor entries; for 35 mm² high-current tbs; yellow

1.1.2 DIN-rail
1.1.2.1 Mounting accessories



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

1.1.3 Ferrule
1.1.3.1 Ferrule



Item No.: 216-413
Ferrule; Sleeve for 25 mm² / AWG 4; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



Item No.: 216-414
Ferrule; Sleeve for 35 mm² / AWG 2; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



1.1.4 Installation

1.1.4.1 Mounting accessories



Item No.: 249-117
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 249-197
Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.5 Jumper

1.1.5.1 Jumper



Item No.: 285-435
Jumper; insulated; gray

1.1.6 Marking

1.1.6.1 Group marker carrier



Item No.: 249-105
Group marker carrier; gray

1.1.6.2 Marker



Item No.: 793-5501/000-006
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 793-5501/000-014
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown



Item No.: 793-5501/000-007
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 793-5501/000-023
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 793-5501/000-017
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green



Item No.: 793-5501/000-012
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 793-5501/000-005
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 793-5501/000-024
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet



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.: 793-5501/000-002
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



Item No.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow



Item No.: 2009-115/000-006
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 2009-115/000-007
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 2009-115/000-017
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green



Item No.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



1.1.6.2 Marker



[Item No.: 2009-115/000-005](#)
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



[Item No.: 2009-115/000-024](#)
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



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



[Item No.: 2009-115/000-002](#)
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.1.6.3 Marker carrier



[Item No.: 285-442](#)
Adaptor; gray

1.1.6.4 Marking strip



[Item No.: 2009-110](#)
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.7 Power tap

1.1.7.1 Power tap



[Item No.: 285-427](#)
Power tap; for 35 mm² high-current tbs; Module width 8 mm; 6,00 mm²; gray



[Item No.: 283-407](#)
Power tap; with 500 mm cable; for 16 mm² (283/783 Series) and 35 mm²; gray

1.1.8 Protective warning marker

1.1.8.1 Cover



[Item No.: 285-420](#)
Protective warning marker; with high-voltage symbol, black; yellow

1.1.9 Test and measurement

1.1.9.1 Testing accessories



[Item No.: 283-404](#)
Test plug adapter; 11.6 mm wide; for 4 mm Ø test plugs; gray



1.1.10 Tool

1.1.10.1 Operating tool



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