

Data Sheet | Item Number: 285-199

Three phase set; with 95 mm² high-current tbs; only for DIN 35 x 15 rail; copper; 95 mm²; POWER CAGE CLAMP; 95,00 mm²; gray/blue/green-yellow

<https://www.wago.com/285-199>



Color: gray/blue/green-yellow

Three-phase set, 285 Series, power cage clamp

Our three-phase set (item number 285-199) ensures effortless electrical installations. Ensure that the strip lengths are 35 mm when connecting conductors to this three-phase set. This product incorporates conductor terminals and utilizes POWER CAGE CLAMP. Our POWER CAGE CLAMP connection technology is the perfect choice for securely connecting large conductor cross-sections. This universal connector is reliable and maintenance-free. Unlike other connections methods, you do not need to crimp the ferrule or use a torque wrench. This makes it nice and easy to use. Depending on the type of conductor, this three-phase set is suitable for conductor cross sections ranging from 25 mm² to 95 mm². It has one level. You can connect five potentials 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.: 285-194 1	Item No.: 285-195 3	Item No.: 285-197 1
2-conductor through terminal block; 95 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm²; blue	2-conductor through terminal block; 95 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm²; gray	2-conductor ground terminal block; 95 mm²; lateral marker slots; only for DIN 35 x 15 rail; 2.3 mm thick; copper; POWER CAGE CLAMP; 95,00 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	200 A	200 A	-		
Rated surge voltage	8 kV	-	-								
Rated current	-	-	-								

Approvals per		CSA 22.2 No 158		
Use group	B	C	D	
Rated voltage	-	1000 V	-	



Connection data		
Clamping units	10	
Total number of potentials	5	
Number of levels	1	
Connection 1		
Connection technology	POWER CAGE CLAMP	
Actuation type	T-wrench; 8 mm	
Connectable conductor materials	Copper	
Nominal cross-section	95 mm²	
Solid conductor	25 ... 95 mm² / 4 ... 4/0 AWG	
Stranded conductor	25 ... 95 mm² / 4 ... 4/0 AWG	
Fine-stranded conductor	25 ... 95 mm² / 4 ... 4/0 AWG	
Fine-stranded conductor; with insulated ferrule	25 ... 95 mm² / 4 ... 4/0 AWG	
Fine-stranded conductor; with uninsulated ferrule	25 ... 95 mm² / 4 ... 4/0 AWG	
Strip length	35 mm / 1.38 inches	
Wiring direction	Side-entry wiring	

Physical data		
Width	125 mm / 4.921 inches	
Height	107 mm / 4.213 inches	
Depth from upper-edge of DIN-rail	101 mm / 3.976 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	14.898 MJ	
Halogen-free	Yes	
Weight	1340.8 g	

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



Commercial data		
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		4045454204396
Customs tariff number		85369010000

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals		Declarations of conformity and manufacturer's declarations	
Approval	Standard	Certificate Name	
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7707	
CSA DEKRA Certification B.V.	C22.2	154112	
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562	
UL Underwriters Laboratories Inc.	UL 1059	E45172	

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	EN 60947	20-HG1941090-PDA

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 285-199	



Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2246.92 KB	285-199	19.02.2019
	↓		xml 3.30 KB
		285-199	04.01.2018
			doc 25.00 KB
			↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 285-199	WSCAD Universe 285-199
↓	↓
	ZUKEN Portal 285-199
	↓

1 Compatible Products
1.1 Optional Accessories
1.1.1 Cover
1.1.1.1 Cover



Item No.: 285-169
Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 95 mm² high-current tbs; yellow

1.1.2 Current and voltage tap
1.1.2.1 Current and voltage tap



Item No.: 855-951/250-000
Current and voltage tap up to 95 mm²; Primary rated current: 250 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fused

1.1.3 DIN-rail
1.1.3.1 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



1.1.4 Ferrule

1.1.4.1 Ferrule



Item No.: 216-435
Ferrule; Sleeve for 50 mm² / AWG 1; unin-
sulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 1/08.92

1.1.5 Installation

1.1.5.1 Mounting accessories



Item No.: 285-168
Fixing element; for 95 mm² high-current
terminal blocks; orange



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

1.1.6 Jumper

1.1.6.1 Jumper



Item No.: 285-495
Jumper; insulated; gray

1.1.7 Marking

1.1.7.1 Group marker carrier



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

1.1.7.2 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 stretcha-
ble; plain; snap-on type; blue



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



1.1.7.2 Marker



[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



[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

1.1.7.3 Marker carrier



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

1.1.8 Power tap

1.1.8.1 Power tap



[Item No.: 285-407](#)
Power tap; for 95 mm² high-current tbs; gray

1.1.9 Protective warning marker

1.1.9.1 Cover



[Item No.: 285-170](#)
Protective warning marker; with high-voltage symbol, black; yellow



1.1.10 Tool

1.1.10.1 Operating tool



Item No.: 285-172
Allen wrench; with a partially insulated shaft; green

Item No.: 285-173
Allen wrench; with a partially insulated shaft; with anti-rotation protection; green