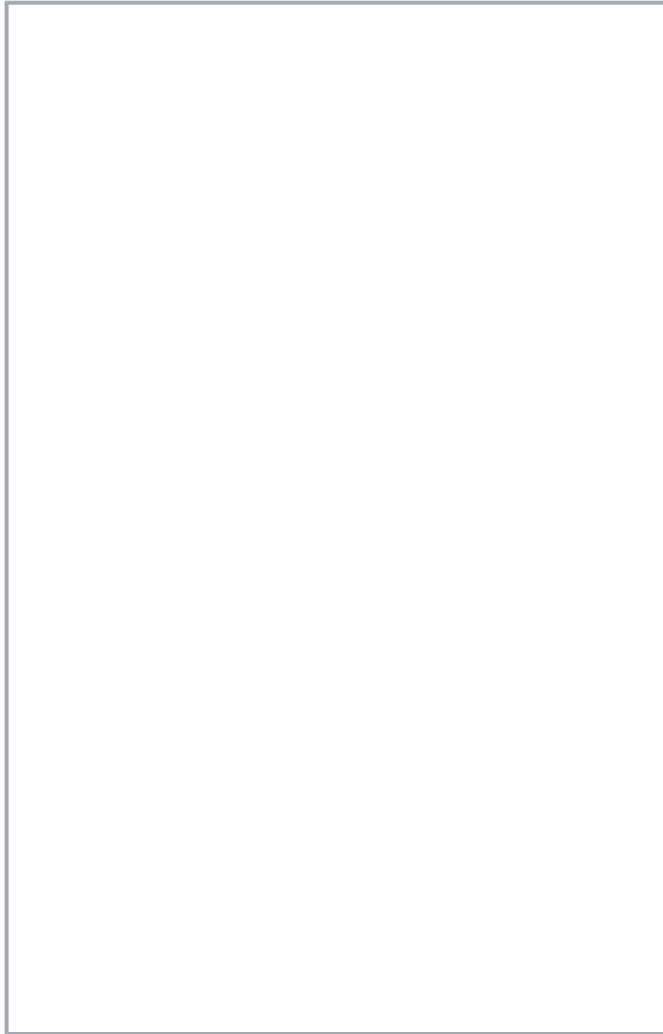


## Data sheet | Item number: 285-148

Three phase set; with 50 mm<sup>2</sup> high-current tbs; with fixing flanges; copper;  
50 mm<sup>2</sup>; POWER CAGE CLAMP; 50,00 mm<sup>2</sup>; multicoloured

[www.wago.com/285-148](http://www.wago.com/285-148)



### Data

#### Electrical data

#### Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	1000 V
Rated impulse voltage (III/3)	8 kV

Subject to changes. Please also observe the further product documentation!

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Rated current	150 A
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### Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	150 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	150 A

### Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	150 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group D)	150 A

### Connection data

Connection points	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	50 mm <sup>2</sup>
Solid conductor	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Stranded conductor	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Fine-stranded conductor	10 ... 70 mm <sup>2</sup> / 8 ... 2/0 AWG
Fine-stranded conductor; with insulated ferrule	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Fine-stranded conductor; with uninsulated ferrule	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Strip length	30 mm / 1.18 inches
Wiring direction	Side-entry wiring

### Physical data

Width	100 mm / 3.937 inches
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Height from the surface	94 mm / 3.7 inches
Depth	130 mm / 5.118 inches

### Mechanical Data

Design	horizontal type
Mounting type	Mounting flange
Marking level	Side marking

### Material Data

Note (material data)	Information on material specifications can be found here
Color	multi-colored
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	10.342 MJ
Halogen-free	Yes
Weight	822.9 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 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	1 pcs
Packaging type	box
Country of origin	PL
GTIN	4055143656993
Customs tariff number	85369010000

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Subject to changes. Please also observe the further product documentation!

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	EN 60947	NTR NL-7707
	<b>CSA</b> DEKRA Certification B.V.	C22.2,C22.2 No. 158	154112
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 60947	71-105562
	<b>UL</b> Underwriters Laboratories Inc.	UL 1059	E45172

### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
	<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	EN 60947	20-HG1941090-PDA

## Optional accessories

### Tool

Operating tool		
<b>Item no.: 285-172</b>	Allen wrench; with a partially insulated shaft; green	<a href="http://www.wago.com/285-172">www.wago.com/285-172</a>
<b>Item no.: 285-173</b>	Allen wrench; with a partially insulated shaft; with anti-rotation protection; green	<a href="http://www.wago.com/285-173">www.wago.com/285-173</a>

### Marking accessories

Marker carrier		
<b>Item no.: 285-442</b>	Adaptor; gray	<a href="http://www.wago.com/285-442">www.wago.com/285-442</a>

Subject to changes. Please also observe the further product documentation!



## Marker

<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	<a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a>
<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	<a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a>
<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	<a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a>
<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	<a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a>
<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	<a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a>
<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	<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>
<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	<a href="http://www.wago.com/793-5501/000-007">www.wago.com/793-5501/000-007</a>
<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	<a href="http://www.wago.com/793-5501/000-012">www.wago.com/793-5501/000-012</a>
<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	<a href="http://www.wago.com/793-5501/000-017">www.wago.com/793-5501/000-017</a>
<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	<a href="http://www.wago.com/793-5501/000-023">www.wago.com/793-5501/000-023</a>
<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	<a href="http://www.wago.com/793-5501/000-024">www.wago.com/793-5501/000-024</a>
<b>Item no.: 793-501/000-002</b> WMB marking card; as card; not stretchable; plain; snap-on type; yellow	<a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a>
<b>Item no.: 793-501/000-007</b> WMB marking card; as card; not stretchable; plain; snap-on type; gray	<a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>

Subject to changes. Please also observe the further product documentation!



<b>Item no.: 793-501/000-017</b> WMB marking card; as card; not stretchable; plain; snap-on type; light green	<a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>
<b>Item no.: 793-501/000-012</b> WMB marking card; as card; not stretchable; plain; snap-on type; orange	<a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a>
<b>Item no.: 793-501/000-023</b> WMB marking card; as card; not stretchable; plain; snap-on type; green	<a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a>
<b>Item no.: 793-501/000-006</b> WMB marking card; as card; not stretchable; plain; snap-on type; blue	<a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a>
<b>Item no.: 793-501/000-005</b> WMB marking card; as card; not stretchable; plain; snap-on type; red	<a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a>
<b>Item no.: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/793-501">www.wago.com/793-501</a>
<b>Item no.: 793-501/000-024</b> WMB marking card; as card; not stretchable; plain; snap-on type; violet	<a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>
<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	<a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a>
<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	<a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a>
<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	<a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a>
<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	<a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>
<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	<a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a>
<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	<a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a>
<b>Item no.: 2009-115/000-005</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/2009-115/000-005">www.wago.com/2009-115/000-005</a>

Subject to changes. Please also observe the further product documentation!



## Cover

### Cover

**Item no.: 285-441**

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 50 mm<sup>2</sup> high-current tbs; yellow [www.wago.com/285-441](http://www.wago.com/285-441)

## Voltage tap

### Power tap

**Item no.: 285-447**

Power tap; for 50 mm<sup>2</sup> high-current tbs; Module width 16 mm; 6,00 mm<sup>2</sup>; gray [www.wago.com/285-447](http://www.wago.com/285-447)

## Jumpers

### Jumper

**Item no.: 285-450**

Jumper; insulated; gray [www.wago.com/285-450](http://www.wago.com/285-450)

## Ferrule

### Ferrule

**Item no.: 216-109**

Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; uninsulated; electro-tin plated [www.wago.com/216-109](http://www.wago.com/216-109)

**Item no.: 216-110**

Ferrule; Sleeve for 16 mm<sup>2</sup> / AWG 6; uninsulated; electro-tin plated; brown metallic [www.wago.com/216-110](http://www.wago.com/216-110)

**Item no.: 216-209**

Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; red [www.wago.com/216-209](http://www.wago.com/216-209)

**Item no.: 216-210**

Ferrule; Sleeve for 16 mm<sup>2</sup> / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue [www.wago.com/216-210](http://www.wago.com/216-210)

**Item no.: 216-289**

Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red [www.wago.com/216-289](http://www.wago.com/216-289)

**Item no.: 216-414**

Ferrule; Sleeve for 35 mm<sup>2</sup> / AWG 2; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored [www.wago.com/216-414](http://www.wago.com/216-414)

**Item no.: 216-425**

Ferrule; Sleeve for 50 mm<sup>2</sup> / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 [www.wago.com/216-425](http://www.wago.com/216-425)

**Item no.: 216-424**

Ferrule; Sleeve for 35 mm<sup>2</sup> / AWG 2; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored [www.wago.com/216-424](http://www.wago.com/216-424)

**Item no.: 216-435**

Ferrule; Sleeve for 50 mm<sup>2</sup> / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 [www.wago.com/216-435](http://www.wago.com/216-435)

## Protective warning marker

### Cover

**Item no.: 285-440**

Protective warning marker; with high-voltage symbol, black; yellow [www.wago.com/285-440](http://www.wago.com/285-440)

Subject to changes. Please also observe the further product documentation!

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Item no.: 285-449

Protective warning marker; yellow

[www.wago.com/285-449](http://www.wago.com/285-449)

## Downloads

### Documentation

#### Bid Text

285-148 X81 - Datei	2019 年2月19日	xml 3.4 kB	Download
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285-148 doc - Datei	2018 年1月4日	doc 26.1 kB	Download
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#### Additional Information

		pdf 2.3 MB	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 285-148 Three phase set; with 50 mm <sup>2</sup> high-current tbs; with fixing flanges; copper; 50 mm <sup>2</sup> ; POWER CAGE CLAMP; 50,00 mm <sup>2</sup> ; multicoloured		URL	Download
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## Installation Notes

Subject to changes. Please also observe the further product documentation!