





- Integrated current transformer (150 A/1 A)
- Accuracy class: 0.5
- Fuse-protected voltage path

**Note:**

- Suitable for 2-conductor through terminal blocks for DIN-rail mounting (285-150; 285-154)
- Suitable for 2-conductor through terminal blocks with mounting flanges (285-141; 285-144)
- Spare fuse: WAGO 855-8020

**Data****Technical data****Input – current transformer**

Primary rated current	150 A
Rated continuous thermal current $I_{cth}$	150 A
Rated short-time thermal current $I_{th}$	9 kA / 1 s
Rated surge current $I_{dyn}$	22.5 kA
Rated frequency	50 ... 60 Hz

**Output – current transformer**

Secondary rated current	1 A
Rated power $S_r$	0.2 VA

**Output – voltage tap**

Rated voltage	AC 400 V
Fuse (voltage path)	2 A; 450 V; F; 70 kA; 5 x 25 mm (WAGO 855-8020)

**Measurement error**

Accuracy class	0.5
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**Safety and protection**

Highest voltage for equipment $U_m$	AC 720 V <sub>rms</sub>
Overvoltage category	III
Pollution degree	2

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



Protection type	IP20
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### Test voltage

Test voltage	AC 3 kV; 50 Hz; 1 min
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### Connection data

Connection type (1)	Current output
Connection technology	Push-in CAGE CLAMP®
WAGO Connector	WAGO 250 Series
Solid conductor	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Fine-stranded conductor	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Strip length	8.5 ... 9.5 mm / 0.33 ... 0.37 inch
Connection type 2	Voltage output
Connection technology 2	Push-in CAGE CLAMP®
WAGO Connector 2	WAGO 250 Series
Solid conductor 2	0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG
Fine-stranded conductor 2	0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG
Strip length 2	10 ... 12 mm / 0.39 ... 0.47 inch
Feedthrough for measurement conductor	∅ ≤ 12 mm

### Physical data

Width	20 mm / 0.787 inch
Height	68 mm / 2.677 inch
Depth	57 mm / 2.244 inch

### Mechanical data

Mounting type	via 2-conductor high-current through terminal block's jumper slot
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### Material data

Flammability class per UL94	V2
Housing material	PA 66
Weight	66 g

### Environmental requirements

Pollution degree	2
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Subject to changes. Please also observe the further product documentation!

Surrounding air temperature (operation)	-25 ... 70 °C
Surrounding air temperature (storage)	-25 ... 70 °C
Relative humidity	5 ... 85 % (without condensation)
Operating altitude (max.)	2000 m
Vibration resistance	10g (industry; 5 ... 2000 Hz; per IEC 60068-2-6); 4g (ship; 5 ... 150 Hz; per IEC 60068-2-6)

## Standards and specifications








Conformity marking	CE
Standards/Specifications	EN 61869-2 EN 60947-7-3

## Commercial data

PU (SPU)	1 Each
Packaging type	box
Country of origin	NL
GTIN	4055143782760
Customs tariff number	85043180888

## Optional accessories

### General accessories

	<b>Item no.: 2007-8873</b> Compact terminal block; for current and voltage transformers; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8873">www.wago.com/2007-8873</a>
	<b>Item no.: 2007-8874</b> Compact terminal block; for current and voltage transformers; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8874">www.wago.com/2007-8874</a>
	<b>Item no.: 2007-8875</b> Compact terminal block; for current transformer circuit; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8875">www.wago.com/2007-8875</a>
	<b>Item no.: 2007-8876</b> Compact terminal block; for 3-phase current transformer circuit; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8876">www.wago.com/2007-8876</a>
	<b>Item no.: 2007-8877</b> Compact terminal block; for current transformer circuit; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8877">www.wago.com/2007-8877</a>
	<b>Item no.: 2857-570/024-001</b> 3-Phase Power Measurement Module; 3x400/690 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC	<a href="http://www.wago.com/2857-570/024-001">www.wago.com/2857-570/024-001</a>
	<b>Item no.: 855-8020</b> Miniature fuse; 5 x 25 mm; with indicator	<a href="http://www.wago.com/855-8020">www.wago.com/855-8020</a>
	<b>Item no.: 857-550</b>	


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



Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width; 2,50 mm<sup>2</sup>

[www.wago.com/857-550](http://www.wago.com/857-550)

#### Terminal blocks

 **Item no.: 285-141**  
2-conductor through terminal block; 50 mm<sup>2</sup>; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 50,00 mm<sup>2</sup>; gray [www.wago.com/285-141](http://www.wago.com/285-141)

**Item no.: 285-144**  
2-conductor through terminal block; 50 mm<sup>2</sup>; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 50,00 mm<sup>2</sup>; blue [www.wago.com/285-144](http://www.wago.com/285-144)



**Item no.: 285-150**  
2-conductor through terminal block; 50 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 50,00 mm<sup>2</sup>; gray [www.wago.com/285-150](http://www.wago.com/285-150)




**Item no.: 285-154**  
2-conductor through terminal block; 50 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 50,00 mm<sup>2</sup>; blue [www.wago.com/285-154](http://www.wago.com/285-154)


#### Tool





**Item no.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured [www.wago.com/210-720](http://www.wago.com/210-720)


#### Marking accessories


 **Item no.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white [www.wago.com/2009-110](http://www.wago.com/2009-110)


 **Item no.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white [www.wago.com/2009-115](http://www.wago.com/2009-115)


 **Item no.: 210-831**  
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white [www.wago.com/210-831](http://www.wago.com/210-831)


 **Item no.: 210-832**  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white [www.wago.com/210-832](http://www.wago.com/210-832)


 **Item no.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white [www.wago.com/793-501](http://www.wago.com/793-501)

 **Item no.: 793-502**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/793-502](http://www.wago.com/793-502)

 **Item no.: 793-503**  
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/793-503](http://www.wago.com/793-503)

 **Item no.: 793-504**  
WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/793-504](http://www.wago.com/793-504)

 **Item no.: 793-505**  
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/793-505](http://www.wago.com/793-505)

 **Item no.: 793-506**  
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/793-506](http://www.wago.com/793-506)

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

white

**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 [www.wago.com/793-5501](http://www.wago.com/793-5501)**Item no.: 793-566**WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/793-566](http://www.wago.com/793-566)**Downloads****Documentation****Bid Text**

855-501/150-000 X81 - Datei	19 Feb 2019	xml 8.7 kB	Download
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855-501/150-000 docx - Datei	9 Aug 2018	docx 22.0 kB	Download
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**Instruction Leaflet**

Current and voltage tap for the 2-conductor through terminal block of the 855 series		pdf 1.3 MB	Download
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**Additional Information**

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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**CAD/CAE-Data****CAD data**

2D/3D Models 855-501/150-000		URL	Download
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**CAE data**

ZUKEN Portal 855-501/150-000		URL	Download
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EPLAN Data Portal 855-501/150-000		URL	Download
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**Environmental Product Compliance****Compliance Search**

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

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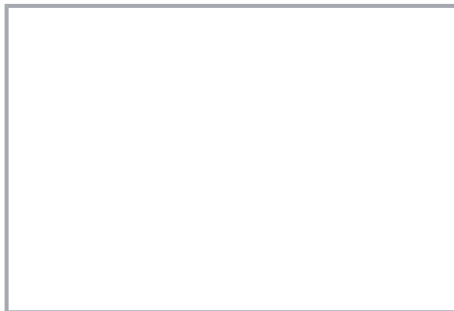
Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.

Environmental Product Compliance 855-501/150-000

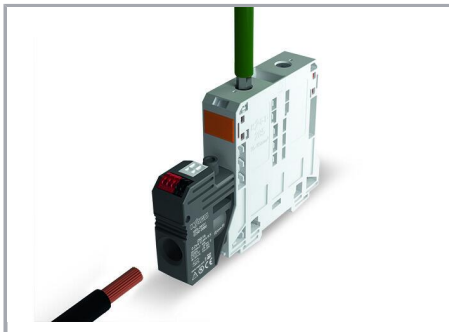
Current and voltage tap up to 50 mm<sup>2</sup>; Primary rated current: 150 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fused

## Installation Notes

### Installation

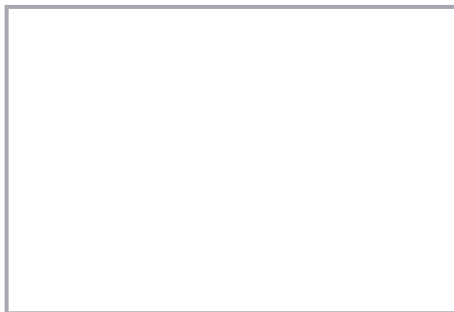


Installation via jumper slot



Feedthrough for primary conductors

### Conductor termination



Push-in CAGE CLAMP<sup>®</sup> connection technology

### Safety

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



Integrated fuse

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