

Data sheet | Item number: 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



www.wago.com/855-951/250-000



Item description

Short description:

WAGO's current and voltage tap for 95 mm² (950 kcmil) high-current through terminal blocks provides the ideal basis for successful energy management, because current and voltage are required wherever electrical power is measured.

A combination of current transformer and voltage tap, this solution can be quickly and easily mounted into the jumper slot of WAGO's 95 mm² (4/0 AWG) high-current through terminal block.

An integrated fuse reliably protects downstream energy meters. An integrated current transformer (conversion ratio: 250 A/1 A) allows precise current measurement per EN 61869-2 (accuracy class: 0.5).

The current output connectors are marked with S1 (black) and S2 (red). Both termination and removal of fine-stranded conductors is performed via push-buttons. The 5-pole configuration (2 x S1 and 3 x S2) provides the following advantages:

- Current transformer (S1 and S2) can be short circuited via jumper (2000-402)
- Direct 'Y' point jumper on current transformer

The voltage is connected using a redundant terminal block.

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

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Additionally, the current and voltage tap can be marked either using continuous marking strips or via WMB Multi Marking System.

Features:

- Power data can be directly tapped into the power supply
- Easy installation – simply insert the tap into the jumper slot of the 95 mm² (4/0 AWG) high-current through terminal block
- Integrated current transformer (250 A/1 A)
- Accuracy class: 0.5
- Fuse-protected voltage path

Note:

- Suitable for 2-conductor through terminal blocks for DIN-rail mounting (285-195; 285-194)
- Suitable for 2-conductor through terminal blocks with mounting flanges (285-181; 285-184)
- Spare fuse: SIBA Fuse, Item No. 7008913.2

Data

Technical Data

Input – current transformer

Primary rated current	250 A
Rated continuous thermal current I_{cth}	250 A
Rated short-time thermal current I_{th}	15 kA / 1 s
Rated surge current I_{dyn}	37.5 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

Measurement error

Accuracy class	0.5
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Subject to changes. Please also observe the further product documentation!



Safety and protection:

Highest voltage for equipment U_m	AC 720 V _{rms}
Test voltage	AC 3 kV; 50 Hz; 1 min
Overvoltage category	III
Pollution degree	2
Protection class	IP20

Connection data

Connection type (1)	Current output
Connection technology	Push-in CAGE CLAMP®
WAGO terminal	WAGO 250 Series
Solid conductor	0,2 ... 1,5 mm ² / 24 ... 16 AWG
Fine-stranded conductor	0,2 ... 1,5 mm ² / 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 terminal 2	WAGO 2624 Series
Solid conductor (2)	0,2 ... 6 mm ² / 24 ... 10 AWG
Fine-stranded conductor (2)	0,2 ... 6 mm ² / 24 ... 10 AWG
Strip length (2)	10 ... 12 mm / 0.39 ... 0.47 inch
Feedthrough for measurement conductor	∅ ≤ 16 mm

Geometrical Data

Width	25 mm / 0.984 inch
Height	73 mm / 2.874 inch
Depth	58 mm / 2.283 inch

Mechanical data

Type of mounting	via jumper slot of the 2-conductor high-current through terminal block
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Material Data

Flammability class per UL94	V2
Housing material	PA 66
Weight	98 g

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

Environmental Requirements

Pollution degree	2
Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-25 ... 70 °C
Relative humidity	5 ... 85 % (no condensation)
Max. operating altitude	2000 m
Vibration resistance	10g (Industry; 5 ... 2000 Hz; per IEC 60068-2-6); 4g (Shipping; 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

Packaging type	BOX
Country of origin	NL
GTIN	4055143556354
Customs Tariff No.	85043180888











Counterpart

Compatible products

Marking accessories

	Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type; white	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
	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	www.wago.com/2009-115/000-002
	Item no.: 2009-115/000-006 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115/000-006

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

	<p>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</p>	<p>www.wago.com/2009-115/000-007</p>
	<p>Item no.: 2009-115/000-012 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p>www.wago.com/2009-115/000-012</p>
	<p>Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p>www.wago.com/2009-115/000-017</p>
	<p>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</p>	<p>www.wago.com/2009-115/000-023</p>
	<p>Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p>www.wago.com/2009-115/000-024</p>
	<p>Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white</p>	<p>www.wago.com/210-831</p>
	<p>Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white</p>	<p>www.wago.com/210-832</p>
	<p>Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white</p>	<p>www.wago.com/793-501</p>
	<p>Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow</p>	<p>www.wago.com/793-501/000-002</p>
	<p>Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red</p>	<p>www.wago.com/793-501/000-005</p>
	<p>Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue</p>	<p>www.wago.com/793-501/000-006</p>
	<p>Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray</p>	<p>www.wago.com/793-501/000-007</p>
	<p>Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; orange</p>	<p>www.wago.com/793-501/000-012</p>
	<p>Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type; light green</p>	<p>www.wago.com/793-501/000-017</p>

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

Item no.: 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/793-501/000-023

Item no.: 793-501/000-024

WMB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/793-501/000-024



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



Item no.: 793-502/000-002

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; yellow

www.wago.com/793-502/000-002

Item no.: 793-502/000-005

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; red

www.wago.com/793-502/000-005

Item no.: 793-502/000-006

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; blue

www.wago.com/793-502/000-006

Item no.: 793-502/000-007

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; gray

www.wago.com/793-502/000-007



Item no.: 793-502/000-012

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; orange

www.wago.com/793-502/000-012



Item no.: 793-502/000-017

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; light green

www.wago.com/793-502/000-017



Item no.: 793-502/000-023

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; green

www.wago.com/793-502/000-023

Item no.: 793-502/000-024

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; violet

www.wago.com/793-502/000-024

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

Item no.: 793-503/000-002

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; yellow

www.wago.com/793-503/000-002

Item no.: 793-503/000-005

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type;

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red

www.wago.com/793-503/000-005

Item no.: 793-503/000-006

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; blue

www.wago.com/793-503/000-006

Item no.: 793-503/000-007

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; gray

www.wago.com/793-503/000-007

Item no.: 793-503/000-012

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; orange

www.wago.com/793-503/000-012



Item no.: 793-503/000-017

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; light green

www.wago.com/793-503/000-017

Item no.: 793-503/000-023

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; green

www.wago.com/793-503/000-023

Item no.: 793-503/000-024

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; violet

www.wago.com/793-503/000-024



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



Item no.: 793-504/000-002

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; yellow

www.wago.com/793-504/000-002



Item no.: 793-504/000-005

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; red

www.wago.com/793-504/000-005



Item no.: 793-504/000-006

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; blue

www.wago.com/793-504/000-006

Item no.: 793-504/000-012

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; orange

www.wago.com/793-504/000-012



Item no.: 793-504/000-017

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; light green

www.wago.com/793-504/000-017

Item no.: 793-504/000-023

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

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; green

www.wago.com/793-504/000-023



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



Item no.: 793-505/000-005

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; red

www.wago.com/793-505/000-005



Item no.: 793-505/000-006

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; blue

www.wago.com/793-505/000-006



Item no.: 793-505/000-007

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; gray

www.wago.com/793-505/000-007



Item no.: 793-505/000-012

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; orange

www.wago.com/793-505/000-012



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



Item no.: 793-506/000-005

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; red

www.wago.com/793-506/000-005



Item no.: 793-506/000-006

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; blue

www.wago.com/793-506/000-006



Item no.: 793-506/000-012

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; orange

www.wago.com/793-506/000-012



Item no.: 793-506/000-017

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; light green

www.wago.com/793-506/000-017



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



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

www.wago.com/793-5501/000-002















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

www.wago.com/793-5501/000-005

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

	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	www.wago.com/793-5501/000-006
	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	www.wago.com/793-5501/000-007
	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	www.wago.com/793-5501/000-012
	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	www.wago.com/793-5501/000-014
	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; green	www.wago.com/793-5501/000-017
	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; light green	www.wago.com/793-5501/000-023
	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	www.wago.com/793-5501/000-024
	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
	Item no.: 793-566/000-002 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; yellow	www.wago.com/793-566/000-002
	Item no.: 793-566/000-005 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; red	www.wago.com/793-566/000-005
	Item no.: 793-566/000-006 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; blue	www.wago.com/793-566/000-006
	Item no.: 793-566/000-007 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; gray	www.wago.com/793-566/000-007
	Item no.: 793-566/000-012 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; orange	www.wago.com/793-566/000-012

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



Item no.: 793-566/000-017

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; light green

www.wago.com/793-566/000-017



Item no.: 793-566/000-023

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; green

www.wago.com/793-566/000-023



Item no.: 793-566/000-024

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; violet

www.wago.com/793-566/000-024

General accessories

Item no.: 2007-8873

Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured

www.wago.com/2007-8873

Item no.: 2007-8874

Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured

www.wago.com/2007-8874

Item no.: 2007-8875

Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured

www.wago.com/2007-8875



Item no.: 2007-8876

Compact terminal block; for 3-phase current transformer circuit; 6,00 mm²; multicoloured

www.wago.com/2007-8876



Item no.: 2007-8877

Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured

www.wago.com/2007-8877



Item no.: 285-181

2-conductor through terminal block; 95 mm²; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 95,00 mm²; gray

www.wago.com/285-181



Item no.: 285-184

2-conductor through terminal block; 95 mm²; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 95,00 mm²; blue

www.wago.com/285-184



Item no.: 285-194

2-conductor through terminal block; 95 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm²; blue

www.wago.com/285-194



Item no.: 285-195

2-conductor through terminal block; 95 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm²; gray

www.wago.com/285-195



Item no.: 2857-570/024-001

3-Phase Power Measurement Module; 3x400/690 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC

www.wago.com/2857-570/024-001



Item no.: 857-550

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 mm²

www.wago.com/857-550

tools

Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft

www.wago.com/210-720

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

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We are always happy to take your call at +49 (571) 887-44222.

Downloads

Documentation

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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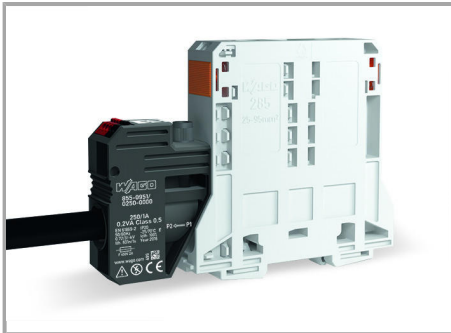
CAD/CAE-Data

CAE data

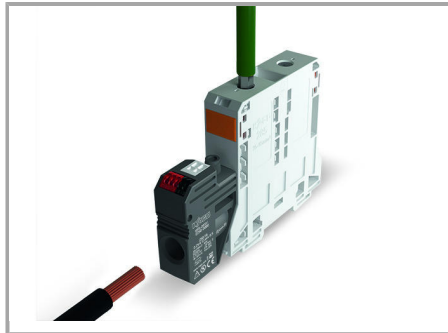
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Installation Notes

Assembly



Installation via jumper slot



Feedthrough for primary conductors

Inserting a conductor

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



Conductor termination via Push-in CAGE
CLAMP® connection technology

Safety



Integrated fuse

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