

Data sheet | Item number: 855-1851/350-000

Current and voltage tap up to 185 mm²; Primary rated current: 350 A;
Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5;
fused



www.wago.com/855-1851/350-000



Item description

Short description:

WAGO's Current and Voltage Tap for 185 mm² (350 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, the current and voltage tap can be quickly and easily mounted into the jumper slot of WAGO's 185 mm² (350 kcmil) high-current through terminal block.

An integrated fuse reliably protects downstream energy meters. An integrated current transformer (conversion ratio: 350 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.

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 185 mm² (350 kcmil) high-current through terminal block
- Integrated current transformer (350 A/1 A)

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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



- Accuracy class: 0.5
- Fuse-protected voltage path

Data Notes

- Note
- Suitable for 2-conductor through terminal blocks for DIN-rail mounting (285-1185; 285-1184)
 - Suitable for 2-conductor through terminal blocks with mounting flanges (285-1161; 285-1164)
 - Spare fuse: WAGO 855-8020

Technical data

Input Current Transformers

Primary rated current	350 A
Rated continuous thermal current I_{cth}	350 A
Rated short-time thermal current I_{th}	21 kA / 1 s
Rated surge current I_{dyn}	52.5 kA
Rated frequency	50 ... 60 Hz

Output (current transformer)

Secondary rated current	1 A
Rated power S_r	0.2 VA

Output (voltage tap)

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

Measurement Error

Accuracy class	0.5
----------------	-----

Safety and protection

Highest voltage for equipment U_m	AC 720 V _{rms}
-------------------------------------	-------------------------

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



Overvoltage category	III
Pollution degree	2
Protection type	IP20

Test voltage

Test voltage	AC 3 kV; 50 Hz; 1 min
--------------	-----------------------

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 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 inches
Connection type 2	Voltage output
Connection technology 2	Push-in CAGE CLAMP®
WAGO connector 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 inches
Feedthrough for measurement conductor	Ø ≤ 21.5 mm

Physical data

Width	32 mm / 1.256 inches
Height	84 mm / 3.307 inches
Depth	60 mm / 2.362 inches

Mechanical Data

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

Material Data

Flammability class per UL94	V2
Housing material	PA 66
Weight	144 g

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

Environmental requirements

Pollution degree	2
Ambient temperature (operation)	-25 ... +70 °C
Ambient 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


ETIM 8.0	EC002048
ETIM 7.0	EC002048
PU (SPU)	1 pcs
Packaging type	box
Country of origin	NL
GTIN	4055143851602
Customs tariff number	85043180888

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02. B.00111 /19

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name

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



EU-Declaration of Conformity
WAGO GmbH & Co. KG

Optional accessories

Terminal blocks

Through terminal block



Item no.: 285-1185

2-conductor through terminal block; 185 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 185,00 mm²; gray

www.wago.com/285-1185



Item no.: 285-1184

2-conductor through terminal block; 185 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 185,00 mm²; blue

www.wago.com/285-1184



Item no.: 285-1161

2-conductor through terminal block; 185 mm²; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 185,00 mm²; gray

www.wago.com/285-1161



Item no.: 285-1164

2-conductor through terminal block; 185 mm²; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 185,00 mm²; blue

www.wago.com/285-1164

Fuse

Fuse



Item no.: 855-8020

Miniature fuse; 5 x 25 mm; with indicator

www.wago.com/855-8020

Mounting

Current transformer terminal block



Item no.: 2007-8874

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

www.wago.com/2007-8874



Item no.: 2007-8877

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

www.wago.com/2007-8877



Item no.: 2007-8875

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

www.wago.com/2007-8875

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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



Item no.: 2007-8876

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

www.wago.com/2007-8876



Item no.: 2007-8873

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

www.wago.com/2007-8873

Tool

Operating 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

Marking accessories

Marking strip



Item no.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

www.wago.com/2009-110



Item no.: 210-831

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

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

Marker



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.: 793-501

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

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



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.: 793-504

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

www.wago.com/793-504



Item no.: 793-505

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

www.wago.com/793-505

Item no.: 793-506

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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



WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-506
white



Item no.: 793-566

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-566
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

Signal conditioner

Power measurement module



Item no.: 2857-570/024-001

3-Phase Power Measurement Module; 3x277/480 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC www.wago.com/2857-570/024-001

Current signal conditioner



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

Downloads

Documentation

Bid Text

855-1851/350-000 X81 - Datei	2019 Feb 19	xml 8.7 kB	Download
---------------------------------	-------------	---------------	----------

855-1851/350-000 docx - Datei	2018 Aug 9	docx 21.7 kB	Download
----------------------------------	------------	-----------------	----------

Instruction Leaflet

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

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
---	------------------------	---------------	----------

CAD/CAE-Data

CAD data

2D/3D Models 855-1851/350-000

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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

ZUKEN Portal 855-1851/350-000

[URL](#) [Download](#)

CAE data

ZUKEN Portal 855-1851/350-000

[URL](#) [Download](#)

EPLAN Data Portal 855-1851/350-000

[URL](#) [Download](#)

Environmental Product Compliance

Compliance Search

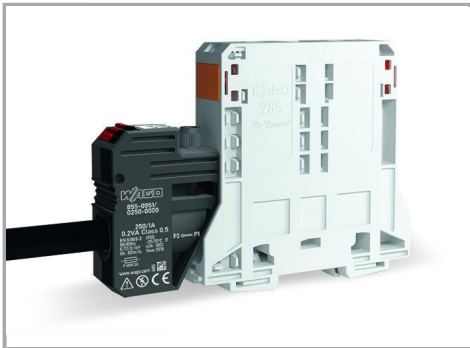
Environmental Product Compliance 855-1851/350-000

[URL](#) [Download](#)

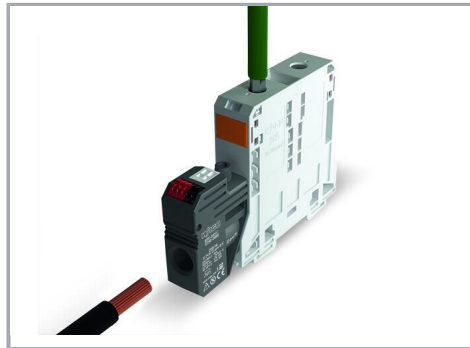
Current and voltage tap up to 185 mm²; Primary rated current: 350 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fused

Installation Notes

Installation



Installation via jumper slot



Feedthrough for primary conductors

Conductor termination

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



Push-in CAGE CLAMP® connection technology

Security



Integrated fuse

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