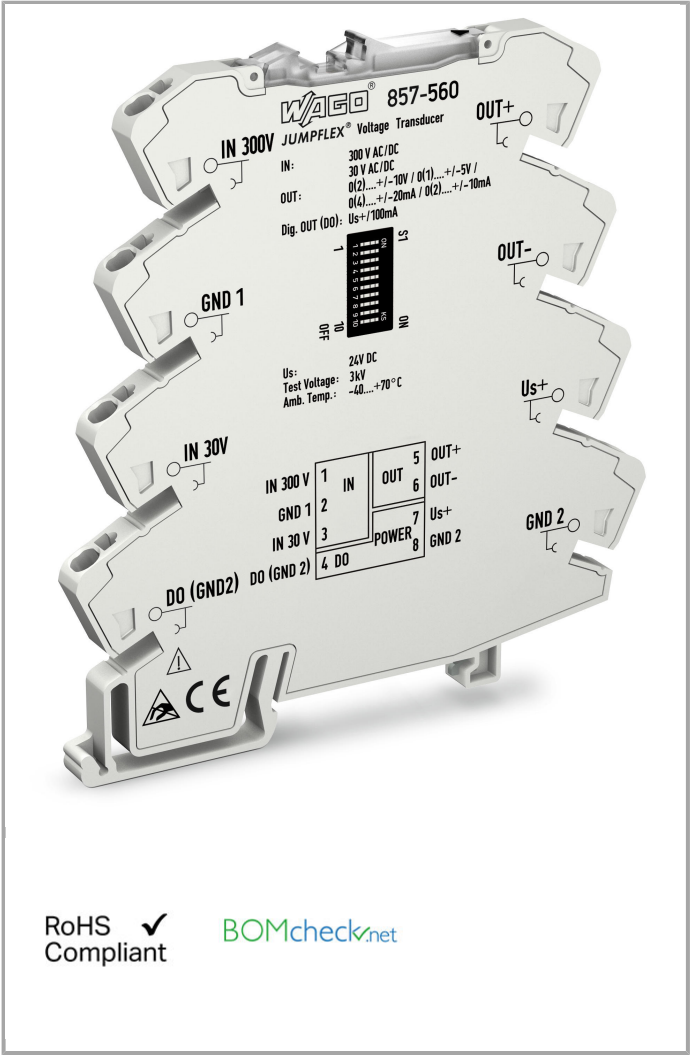
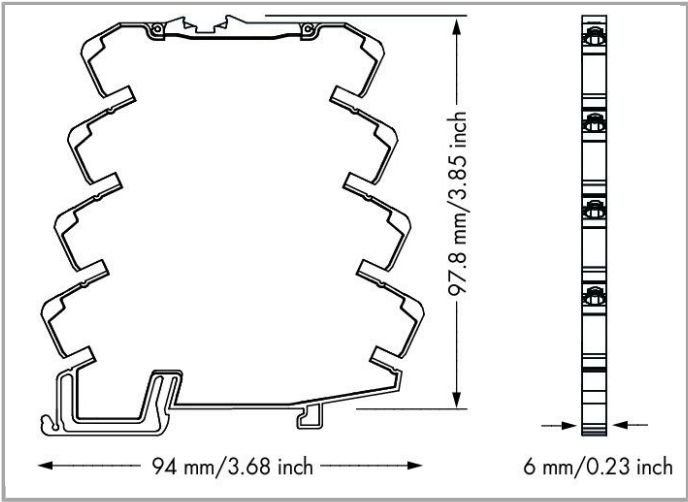




IN 300 V	1	IN	5	OUT+
GND 1	2		6	OUT-
IN 30 V	3	POWER	7	Us+
DO (GND 2)	4 DO		8	GND 2



Item description

Short description:

The 857-569 Voltage Signal Conditioner measures AC and DC voltages up to 300 V AC/DC and converts the input signal into a standard analog signal at the output.

Features:

- Two isolated measurement inputs for 30 V and 300 V AC/DC
- RMS measurement or arithmetic mean value
- A digital signal output reacts to configured measurement range limits (switching ON/OFF delay and threshold value switch function configurable with up to two threshold values)
- Switchable filter function
- Safe 3-way isolation with 3 kV test voltage per DIN EN 61010-1

Data

Technical Data

Configuration

Configuration options	DIP switches Interface configuration software Interface configuration app
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Input

Input signal type	Voltage
Input signal voltage	300 V AC/DC (IN 1); 30 V AC/DC (IN 2)
Frequency range	10 ... 100Hz (AC)
Input resistance (input/voltage)	≥ 300kΩ
Max. input voltage	600 V (IN 1; permanent); 60 V (IN 2; permanent)
Response threshold	300 mV (IN 1); 30 mV (IN 2)

Output

Output signal type	Current Voltage
Output signal voltage	0 ... 5 V; 1 ... 5 V; 0 ... 10 V; 2 ... 10 V (can be inverted, also bipolar)
Output signal current	0 ... 10 mA; 2 ... 10 mA; 0 ... 20 mA; 4 ... 20 mA (can be inverted, also bipolar)
Load impedance (output/voltage)	$\geq 1\text{k}\Omega$
Load impedance (output/current)	$\leq 600\Omega$

Output – Digital

Max. switching voltage (DO)	Supply voltage applied
Max. continuous current (DO)	100mA (no internal restriction)
Number of switching thresholds (DO)	1 or 2 (adjustable)
Configurable rise/fall delay time (DO)	0 ... 60s (via software)

Signal processing

Measuring procedure	RMS measurement; Arithmetic mean value
Max. operating frequency	2kHz
Software filter; adjustable	moving mean value (filtering level: 30)

Measurement error

Transmission error max.	$\leq 0.5\%$ (of the full scale value)
Temperature coefficient	$\leq 0.01\%/K$

Power supply

Type of power supply	24 VDC
Nominal supply voltage U_S	24 VDC
Supply voltage range	$\pm 30\%$
Current consumption at supply voltage	46 mA (+ I_{DO})

Safety and protection:

Test voltage (input/output/supply)	3 kV AC; 50Hz; 1min
Degree of protection	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG

Strip length	9 ... 10 mm / 0.35 ... 0.39 Inch
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Geometrical Data

Width	6 mm / 0.236 inch
Height from upper-edge of DIN-35 rail	97.8 mm / 3.85 inch
Depth	94 mm / 3.701 inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Weight	39.1 g
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Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C (at nominal current)
Surrounding air (storage) temperature	-40 ... 85 °C
Max. operating altitude	2000 m

Standards and specifications

Conformity marking	CE
EMC immunity to interference	EN 61000-6-2; EN 61326-2-3; EN 50121-3-2
EMC emission of interference	EN 61000-6-3; EN 61326-2-3; EN 50121-3-2
Standards/specifications	EN 61010-1; EN 61373

Commercial data

Packaging type	bag
Country of origin	DE
GTIN	4055143481571

Compatible products

Marking accessories

	Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type	www.wago.com/2009-110
	Item no.: 2009-115 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115
	Item no.: 2009-115/000-002 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-002

	Item no.: 2009-115/000-006 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-006
	Item no.: 2009-115/000-007 WMB-Inline; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-007
	Item no.: 2009-115/000-012 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-012
	Item no.: 2009-115/000-017 WMB-Inline; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-017
	Item no.: 2009-115/000-023 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-023
	Item no.: 2009-115/000-024 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-024
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501
	Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501/000-002
	Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501/000-005
	Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501/000-006
	Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501/000-007
	Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501/000-012
	Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501/000-017
	Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501/000-023
	Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type	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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

www.wago.com/793-504

/000-017

**Item no.: 793-504/000-023**

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

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

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

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

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

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

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 www.wago.com/793-506



Item no.: 793-506/000-005 www.wago.com/793-506
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /000-005



Item no.: 793-506/000-006 www.wago.com/793-506
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /000-006



Item no.: 793-506/000-012 www.wago.com/793-506
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /000-012



Item no.: 793-506/000-017 www.wago.com/793-506
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /000-017



Item no.: 793-5501 www.wago.com/793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type



Item no.: 793-5501/000-002 www.wago.com/793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type /000-002



Item no.: 793-5501/000-005 www.wago.com/793-5501
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-005



Item no.: 793-5501/000-006 www.wago.com/793-5501
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-006



Item no.: 793-5501/000-007 www.wago.com/793-5501
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-007



Item no.: 793-5501/000-012 www.wago.com/793-5501
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-012



Item no.: 793-5501/000-014 www.wago.com/793-5501
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-014



Item no.: 793-5501/000-017 www.wago.com/793-5501
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-017



Item no.: 793-5501/000-023 www.wago.com/793-5501
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-023



Item no.: 793-5501/000-024 www.wago.com/793-5501
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-024

**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**Item no.: 793-566/000-002**

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

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

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

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

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

www.wago.com/793-566/000-012**Item no.: 793-566/000-017**

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

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

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

www.wago.com/793-566/000-024**tools****Item no.: 210-720**

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

www.wago.com/210-720**Jumper****Item no.: 281-482**

Comb-style jumper bar; insulated; 2-way; IN = IN terminal block

www.wago.com/281-482**Item no.: 859-402**

Push-in type jumper bar; Light gray; Insulated; 18 A; 2-position

www.wago.com/859-402**Item no.: 859-402/000-005**

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated

www.wago.com/859-402/000-005**Item no.: 859-402/000-006**

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated

www.wago.com/859-402/000-006

**Item no.: 859-402/000-029**

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated

www.wago.com/859-402/000-029**Item no.: 859-403**

Push-in type jumper bar; Light gray; Insulated; 18 A; 3-position

www.wago.com/859-403**Item no.: 859-403/000-005**

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated

www.wago.com/859-403/000-005**Item no.: 859-403/000-006**

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated

www.wago.com/859-403/000-006**Item no.: 859-403/000-029**

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated

www.wago.com/859-403/000-029**Item no.: 859-404**

Push-in type jumper bar; Light gray; Insulated; 18 A; 4-position

www.wago.com/859-404**Item no.: 859-404/000-005**

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated

www.wago.com/859-404/000-005**Item no.: 859-404/000-006**

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated

www.wago.com/859-404/000-006**Item no.: 859-404/000-029**

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated

www.wago.com/859-404/000-029**Item no.: 859-405**

Push-in type jumper bar; Light gray; Insulated; 18 A; 5-position

www.wago.com/859-405**Item no.: 859-405/000-005**

Push-in type jumper bar; 5-way; Nominal current 18 A; insulated

www.wago.com/859-405/000-005**Item no.: 859-405/000-006**

Push-in type jumper bar; 5-way; Nominal current 18 A; insulated

www.wago.com/859-405/000-006**Item no.: 859-405/000-029**

Push-in type jumper bar; 5-way; Nominal current 18 A; insulated

www.wago.com/859-405/000-029**Item no.: 859-406**

Push-in type jumper bar; Light gray; Insulated; 18 A; 6-position

www.wago.com/859-406**Item no.: 859-406/000-005**

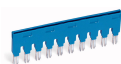
Push-in type jumper bar; 6-way; Nominal current 18 A; insulated

www.wago.com/859-406/000-005**Item no.: 859-406/000-006**

Push-in type jumper bar; 6-way; Nominal current 18 A; insulated

www.wago.com/859-406/000-006

	Item no.: 859-406/000-029 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated	www.wago.com/859-406/000-029
	Item no.: 859-407 Push-in type jumper bar; Light gray; Insulated; 18 A; 7-position	www.wago.com/859-407
	Item no.: 859-407/000-005 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	www.wago.com/859-407/000-005
	Item no.: 859-407/000-006 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	www.wago.com/859-407/000-006
	Item no.: 859-407/000-029 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	www.wago.com/859-407/000-029
	Item no.: 859-408 Push-in type jumper bar; Light gray; Insulated; 18 A; 8-position	www.wago.com/859-408
	Item no.: 859-408/000-005 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	www.wago.com/859-408/000-005
	Item no.: 859-408/000-006 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	www.wago.com/859-408/000-006
	Item no.: 859-408/000-029 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	www.wago.com/859-408/000-029
	Item no.: 859-409 Push-in type jumper bar; Light gray; Insulated; 18 A; 9-position	www.wago.com/859-409
	Item no.: 859-409/000-005 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	www.wago.com/859-409/000-005
	Item no.: 859-409/000-006 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	www.wago.com/859-409/000-006
	Item no.: 859-409/000-029 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	www.wago.com/859-409/000-029
	Item no.: 859-410 Push-in type jumper bar; Light gray; Insulated; 18 A; 10-position	www.wago.com/859-410
	Item no.: 859-410/000-005 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	www.wago.com/859-410/000-005



Item no.: 859-410/000-006
Push-in type jumper bar; 10-way; Nominal current 18 A; insulated

www.wago.com/859-410/000-006



Item no.: 859-410/000-029
Push-in type jumper bar; 10-way; Nominal current 18 A; insulated

www.wago.com/859-410/000-029

power supply



Item no.: 787-2852
EPSITRON® / JUMPFLEX® power supply; single-phase; 24 VDC; 1 A

www.wago.com/787-2852

General accessories



Item no.: 750-921
Bluetooth® Adapter

www.wago.com/750-921



Item no.: 750-923
Configuration cable; USB connector

www.wago.com/750-923



Item no.: 750-923/000-001
Configuration cable; USB connector

www.wago.com/750-923/000-001



Item no.: 855-8001
Voltage tap; with fuse; 12-10 AWG; Phase

www.wago.com/855-8001



Item no.: 855-8002
Voltage tap; without fuse; 12-10 AWG; N-conductor

www.wago.com/855-8002



Item no.: 855-8003
Voltage tap; with fuse; 8-6 AWG; Phase

www.wago.com/855-8003



Item no.: 855-8004
Voltage tap; without fuse; 8-6 AWG; N-conductor

www.wago.com/855-8004



Item no.: 857-304
Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Yellow status indicator; Module width: 6 mm

www.wago.com/857-304



Item no.: 857-979
JUMPFLEX® supply and through module

www.wago.com/857-979

assembling



Item no.: 249-116
Screwless end stop; 6 mm wide

www.wago.com/249-116



Item no.: 249-117
Screwless end stop; 10 mm wide

www.wago.com/249-117



Item no.: 249-197
Screwless end stop; 14 mm wide

www.wago.com/249-197



Downloads

Documentation

Bid Text

857-560	Mar 10, 2017	DOC 33.8 kB	Download
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Instruction Leaflet

Signal Conditioners Voltage Signal Conditioner, AC and DC Voltage, DIP Switch / WAGO Interface Configuration Software	Oct 6, 2016	PDF 1.9 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	Oct 15, 2018	265.8 kB	Download
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Engineering-Software

Software for Interface-Products

Interface Configuration Software FULL The full setup, in addition to the WAGO Interface Configuration Software, includes the installation for the Microsoft .NET Framework.	1.5.4.6 Jan 8, 2018	EXE 96.5 MB	Download
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Interface Configuration Software SMALL The full setup only includes the WAGO Interface Configuration Software.	1.5.4.6 Jan 8, 2018	EXE 46.0 MB	Download
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CAD files

CAD data

3D Download 857-560	URL	Download
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Subject to changes.

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

Do you have any questions about our products?
 We are always happy to take your call at {0}.