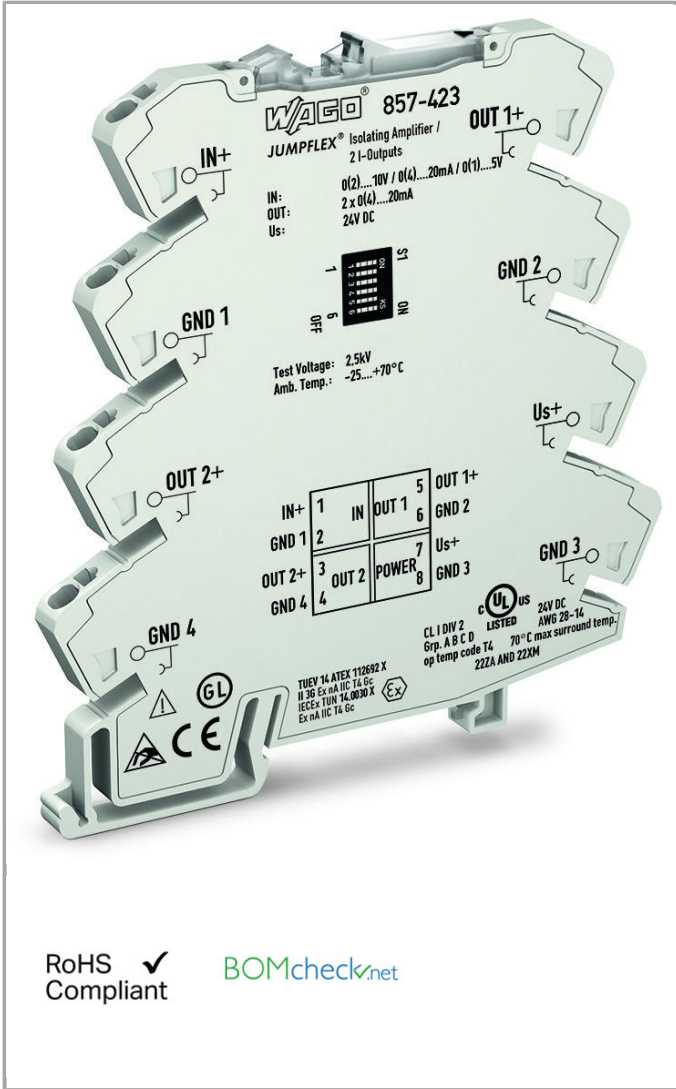


Data sheet | Item number: 857-423

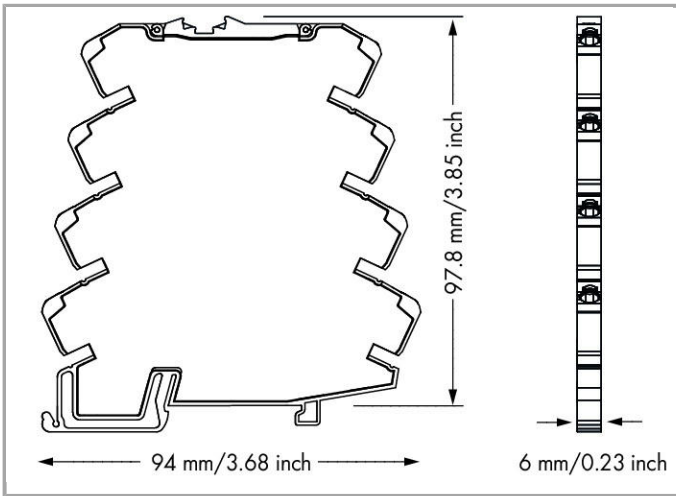
Isolation amplifier; Current and voltage input signal; 2 x current output signal;
Supply voltage: 24 VDC; 6 mm module width



www.wago.com/857-423



IN+	1	IN	5	OUT 1+
GND 1	2		6	GND 2
OUT 2+	3	OUT 2	7	Us+
GND 4	4	POWER	8	GND 3

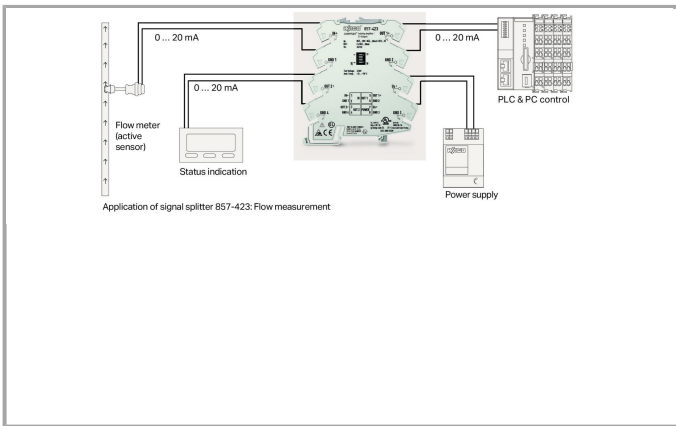


857-423
DIP Switch Adjustability

• = ON Default

DIP Switch S1 (8-fold)

1	2	3	Input Signal	4	Max. Operating Frequency	5	Output Signal 1	6	Output Signal 2
•	•	•	0 ... 20 mA	•	1 kHz	•	0 ... 20 mA	•	0 ... 20 mA
•	•	•	4 ... 20 mA	•	100 Hz	•	4 ... 20 mA	•	4 ... 20 mA
•	•	•	0 ... 10 V						
•	•	•	2 ... 10 V						
•	•	•	0 ... 5 V						
•	•	•	1 ... 5 V						



Item description

Short description:

The signal splitter converts, amplifies, filters and electrically isolates analog standard signals.

Features:

- Two configurable current outputs
- Switching between measuring ranges is calibrated
- Switchable max. operating frequency
- Safe 4-way isolation with 2.5 kV test voltage per EN 61140

Data

Technical Data

Configuration

Configuration options

DIP switches

Input

Input signal type	Voltage Current
Input signal voltage	0 ... 5 V; 1 ... 5 V; 0 ... 10 V (calibrated configurable signals)
Input signal, current	0 ... 20 mA; 4 ... 20 mA (calibrated configurable signals)
Input resistance (input/voltage)	$\geq 100 \text{ k}\Omega$

Output

Output signal type	Current
Output signal current	0 ... 20 mA; 4 ... 20 mA (calibrated switchable)
Load impedance (output/current)	$\leq 300 \Omega$

Signal processing

Max. operating frequency	100 Hz / 1 kHz (configurable via DIP switch)
Step response typ.	3.5 ms (100 Hz); 300 μ s (1 kHz)

Measurement error

Transmission error typ.	$\leq 0.1 \%$ of upper range value
Transmission error max.	$\leq 0.2 \%$ of upper range value
Temperature coefficient	$\leq 0.01 \%/K$

Power supply

Type of power supply	24 VDC
Nominal supply voltage U_S	DC 24 V
Supply voltage range	$\pm 30 \%$
Current consumption at supply voltage	$\leq 35 \text{ mA}$

Safety and protection:

Test voltage (input/output/supply)	AC 2.5 kV; 50 Hz; 1 min
Protection class	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

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

Color	light gray
Fire load	0.849 MJ
Weight	40.604 g

Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C

Standards and specifications

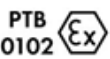

Conformity marking	1
EMC immunity to interference	EN 61000-6-2
EMC emission of interference	EN 61000-6-4

Commercial data





Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4045454471316
Customs Tariff No.	85437090300

Approvals / Certificates


Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	IECEX TUEV Nord Cert GmbH	EN 60079-0	TÜV_14_ATEX_112692_X
	IECEX TUEV Nord Cert GmbH	IEC 60079-0	IECEX_TUN_14.0030_X

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	BV Bureau Veritas S.A.	-	40179_A0
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00001D1
	NK Nippon Kaiji Kyokai	-	TA17255M
	PRS Polski Rejestr Statków	-	TE/2186 /880590/18

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.4

Compatible products**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

General accessories

Item no.: 857-979 Supply and through module	www.wago.com/857-979
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power supply

Item no.: 787-2852

Switched-mode power supply; for JUMPFLEX® Signal Conditioners; 1-phase; 24 VDC output voltage; 1 A output current www.wago.com/787-2852

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

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 Smart Printer; 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 Smart Printer; 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; for smartPRINTER; 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; for smartPRINTER; 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**

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

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

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

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

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

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

www.wago.com/793-5501/000-002**Item no.: 793-5501/000-005**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/793-5501/000-005**Item no.: 793-5501/000-006**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/793-5501/000-006**Item no.: 793-5501/000-007**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/793-5501/000-007



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

www.wago.com/793-5501/000-012



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

www.wago.com/793-5501/000-014



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

www.wago.com/793-5501/000-017



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

www.wago.com/793-5501/000-023



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

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

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

transfer module

Item no.: 857-980
JUMPFLEX® adapter; with 16-pole flat cable connector per DIN 41651; analog

www.wago.com/857-980

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; 2-way; Nominal current 18 A; insulated	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; 3-way; Nominal current 18 A; insulated	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; 4-way; Nominal current 18 A; insulated	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; 5-way; Nominal current 18 A; insulated	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; 6-way; Nominal current 18 A; insulated

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; 7-way; Nominal current 18 A; insulated

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; 8-way; Nominal current 18 A; insulated

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; 9-way; Nominal current 18 A; insulated

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; 10-way; Nominal current 18 A; insulated

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

Downloads

Documentation

Instruction Leaflet

Signal Conditioners and Isolation Amps Signal splitter Configurable, 2 current outputs	18-jun-2015	pdf 1.8 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0 10-oct-2018	pdf 265.8 kB	Download
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CAD/CAE - Smart Data

CAD data

3D Download 857-423	URL	Download
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Subject to changes.