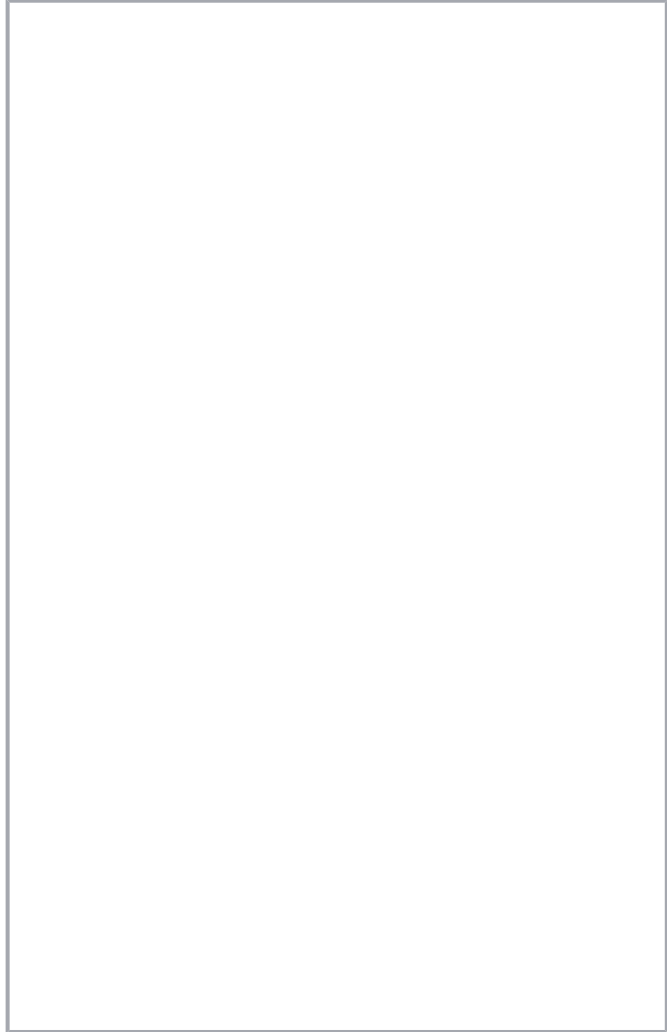
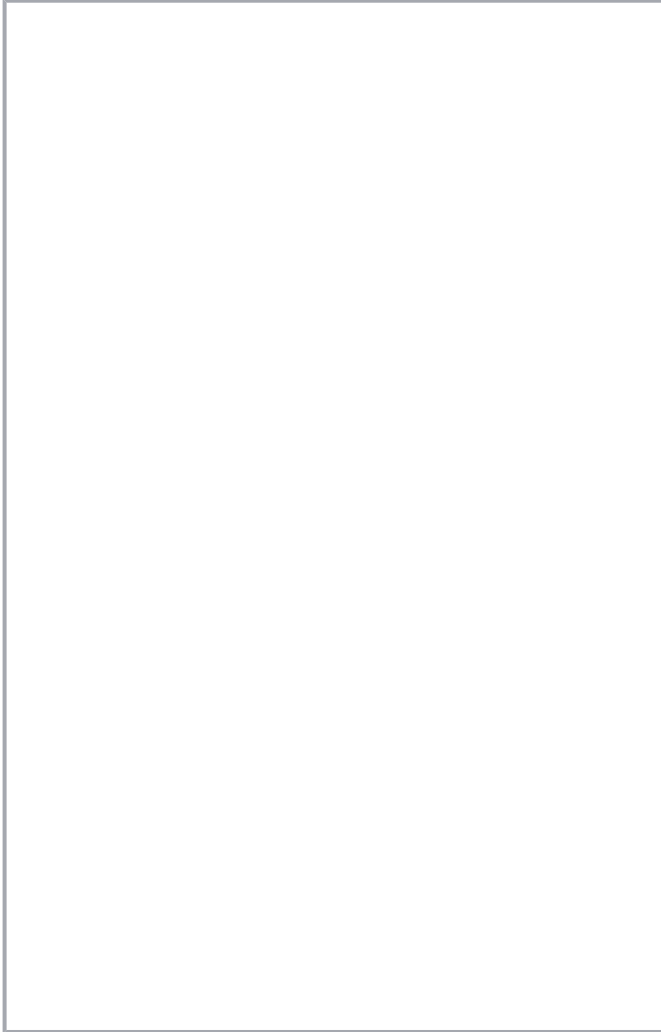


**Data sheet | Item number: 787-862**

Electronic circuit breaker; 4-channel; 24 VDC input voltage; adjustable 1 ...  
10 A; communication capability; 10,00 mm<sup>2</sup>



[www.wago.com/787-862](http://www.wago.com/787-862)



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](mailto:info.de@wago.com) | Web: [www.wago.com](http://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 description

### Features:

- ECB with four channels (parametrizable)
- Time-delayed switching of channels
- Isolated signal contact
- Current and voltage monitoring via RS-232 interface and LCD
- Four active signal outputs for function monitoring

## Data

### Technical data

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](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



## Input

Nominal input voltage $U_{i\text{ nom}}$	DC 24 V
Input voltage range	DC 18 ... 30 V

## Output

Total number of channels (module)	4
Nominal output voltage $U_{o\text{ nom}}$	4 x DC 24 V
Output voltage range	DC 18 ... 30 V ( $U_e$ – voltage drop)
Voltage drop	$\leq 140$ mV (6 A); $\leq 240$ mV (10 A) (Input (+))
Nominal output current $I_{o\text{ nom}}$	4 x 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 A (adjustable for each channel)
Switch-on capacity	$> 20000$ $\mu\text{F}$
Switch-on behavior	Time-delayed channel switching (250 ms each)
Active current limitation	No
Current limitation	No

## Signaling and communication

Signaling	<ul style="list-style-type: none"> <li>1 x LED DC OK (green)</li> <li>1 x Warning LED (yellow)</li> <li>1 x Error LED (red)</li> <li>LCD</li> <li>1 x Remote control input</li> <li>4 x Signal output (24 VDC; max. 25 mA)</li> <li>1 x Isolated relay contact (max. 30 VDC; 1 A)</li> <li>1 x RS-232 interface</li> </ul>
Operation status indicator	<ul style="list-style-type: none"> <li>Green LED (all channels OK)</li> <li>Yellow LED (warning)</li> <li>Red LED (at least one channel has tripped)</li> </ul>
Communication	RS-232 serial interface
Remote input	Reactivation of all tripped channels via 18 ... 30 VDC pulse for min. 50 ms

## Efficiency/power losses

Power loss $P_l$	$\leq 2$ W; $\leq 12$ W (nominal load)
Efficiency (typ.)	96 %

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

## Circuit protection

Internal fuse	T 15 A
---------------	--------

## Safety and protection

Isolation voltage (connectors – housing)	DC 0.5 kV
Protection class	III
Protection type	IP20; per EN 60529
Reverse voltage protection	No
Resistance to reverse feed	≤ DC 33 V
Pollution degree	2
Transient suppression (primary)	Suppressor diode
Parallel operation of single channels	Not permitted
Series operation	No
MTBF	> 500,000 h (per IEC 61709)

## Connection data

Connection type 1	Input (+)
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 831 Series
Solid conductor	0.5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches
Connection type 2	Input (-); output; signaling
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 231 Series
Solid conductor 2	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length 2	8 ... 9 mm / 0.31 ... 0.35 inches

## Physical data

Width	40 mm / 1.575 inches
Height	171 mm / 6.732 inches
Depth from upper-edge of DIN-rail	163 mm / 6.417 inches
Note (dimensions)	Height with connector

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

**Mechanical data**

Mounting type	DIN-35 rail
---------------	-------------

**Material data**

Weight	800 g
--------	-------

**Environmental requirements**

Ambient temperature (operation)	-10 ... +60 °C
Ambient temperature (storage)	-25 ... +85 °C
Relative humidity	5 ... 96 % (no condensation permissible)

**Standards and specifications**

Conformity marking	CE
Standards/specifications	EN 60950 UL 508 EN 61000-6-2 EN 61000-6-3

**Commercial data**

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-18-02
eCl@ss 9.0	27-37-18-02
ETIM 8.0	EC001440
ETIM 7.0	EC001440
Recupel Type	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
Customs tariff number	85363010900

**Environmental Product Compliance**

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

**Approvals / Certificates****General approvals**

Logo	Approval	Additional Approval Text	Certificate name
------	----------	--------------------------	------------------

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



<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC_Certificate_RU_C-DE.AM02.B.00115_19
<b>UL</b> Underwriters Laboratories Inc.	UL 60950-1	E255815
<b>UL</b> Underwriters Laboratories Inc.	UL 508	E255817

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

#### Optional accessories

##### Mounting adapter

Wall-mount adapter		
<b>Item no.: 787-895</b>	Mounting carrier; for screw fixing of 787-8xx devices on mounting plate or wall without DIN 35 rail	<a href="http://www.wago.com/787-895">www.wago.com/787-895</a>
DIN-rail adapter		
<b>Item no.: 787-897</b>	Carrier rail adapter made of zinc die-cast; for mounting 787-8xx devices to a DIN 35 rail	<a href="http://www.wago.com/787-897">www.wago.com/787-897</a>
<b>Item no.: 787-896</b>	Carrier rail adapter; for mounting 787-8xx devices to a DIN 35 rail	<a href="http://www.wago.com/787-896">www.wago.com/787-896</a>

##### Cables and pluggable connectors

Communication cable		
<b>Item no.: 787-890</b>	RS-232 communication cable; Length 1.8 m	<a href="http://www.wago.com/787-890">www.wago.com/787-890</a>
Connecting cable		
<b>Item no.: 761-9005</b>	USB adapter; with 1m connection cable	<a href="http://www.wago.com/761-9005">www.wago.com/761-9005</a>

##### Marking accessories

Marking strip		
<b>Item no.: 2009-110</b>	Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
<b>Item no.: 210-831</b>	Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-831">www.wago.com/210-831</a>
<b>Item no.: 210-832</b>	Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-832">www.wago.com/210-832</a>
Marker		

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](mailto:info.de@wago.com) | Web: [www.wago.com](http://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.: 2009-145**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white [www.wago.com/2009-145](http://www.wago.com/2009-145)

**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.: 248-501**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white [www.wago.com/248-501](http://www.wago.com/248-501)

**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.: 793-5501**  
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)

## Tool

### Operating tool

**Item no.: 210-721**  
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured [www.wago.com/210-721](http://www.wago.com/210-721)

**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)

## Downloads

### Documentation

#### Bid Text

787-862 X81 - Datei	2019 年7月3日	xml 7.4 kB	Download
------------------------	------------	---------------	----------

787-862 docx - Datei	2019 年7月3日	docx 19.1 kB	Download
-------------------------	------------	-----------------	----------

#### Instruction Leaflet

EPSITRON Electronic Circuit Breaker 4 x DC 24 V, 1...10 A		pdf 755.5 kB	Download
--	--	-----------------	----------

#### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18日	pdf 2.2 MB	Download
---	------------------------	---------------	----------

## Libraries

### Library

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](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



Anbindung Stromversorgungen Serie 787	1.3.0	zip	Download
Die Bibliothek "WagoLib787_01.lib" stellt Funktionsbausteine und Visualisierungen zur Verfügung, mit deren Hilfe die Informationen der WAGO Stromversorgungsmodule der Serie 787 angezeigt werden können.	2014 年5月14 日	562.7 kB	

## Engineering-Software

### Configuration and Commissioning Software

WAGO Software 759-860	1.2.6	zip	Download
Software 759-860, for configuration and visualization of electronic circuit breakers 787-860, 787-861 und 787-862	2012 年2月16 日	521.5 kB	

## CAD/CAE-Data

### CAD data

2D/3D Models 787-862		URL	Download
----------------------	--	-----	----------

### CAE data

WSCAD Universe 787-862		URL	Download
------------------------	--	-----	----------

ZUKEN Portal 787-862		URL	Download
----------------------	--	-----	----------

EPLAN Data Portal 787-862		URL	Download
---------------------------	--	-----	----------

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 787-862		URL	Download
Electronic circuit breaker; 4-channel; 24 VDC input voltage; adjustable 1 ... 10 A; communication capability; 10,00 mm <sup>2</sup>			

## Installation Notes

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