



- 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

Technical data			
Input		Output	
Nominal input voltage $U_{i\,nom}$	24 VDC	Total number of channels (module)	4
Input voltage range	18 ... 30 VDC	Nominal output voltage $U_{o\,nom}$	4 x 24 VDC
		Output voltage range	18 ... 30 VDC ( $U_e$ – voltage drop)
		Voltage drop	≤ 140 mV (6 A); ≤ 240 mV (10 A) (Input +)
		Nominal output current $I_{o\,nom}$	4 x 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 A (ad-justable for each channel)
		Trip time	100 ms ... 600 s (load-dependent; adjust-able; preset: 100 s)
		Switch-on capacity	
		Switch-on behavior	Time-delayed channel switching (250 ms each)
		Active current limitation	No
		Current limitation	No



Signaling and communication	
Signaling	1 x LED DC OK (green) 1 x Warning LED (yellow) 1 x Error LED (red) LCD 1 x Remote control input 4 x Signal output (24 VDC; max. 25 mA) 1 x Isolated relay contact (max. 30 VDC; 1 A) 1 x RS-232 interface
Operation status indicator	Green LED (all channels OK) Yellow LED (warning) Red LED (at least one channel has tripped)
Communications	RS-232 serial interface
Remote input	Reactivation of all tripped channels via 18 ... 30 VDC pulse for min. 50 ms

Circuit protection	
Internal fuse	T 15 A

Safety and protection	
Isolation voltage (connectors – housing)	0.5 kVDC
Protection class	III
Protection type	IP20; per EN 60529
Reverse voltage protection	No
Resistance to reverse feed	≤ 33 VDC
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 1		Connection 2	
Connection type 1	Input (+)	Connection type	Input (-); output; signaling
Connection technology	Push-in CAGE CLAMP®	Connection technology	CAGE CLAMP®
WAGO connector	WAGO 831 Series	WAGO connector 2	WAGO 231 Series
Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG	Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches	Strip length	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



Mechanical data		
Mounting type		DIN-35 rail

Material data		
Fire load		0 MJ
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)
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		DE
Customs tariff number		85363010000

Product classification		
UNSPSC		39121601
eCl@ss 10.0		27-37-18-02
eCl@ss 9.0		27-37-18-02
ETIM 9.0		EC001440
ETIM 8.0		EC001440
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc.	UL 508	E255817
UR Underwriters Laboratories Inc.	UL 60950-1	E255815

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 787-862			<a href="#">↓</a>

Documentation

Bid Text			
787-862	03.07.2019	xml 7.25 KB	<a href="#">↓</a>
787-862	03.07.2019	docx 18.69 KB	<a href="#">↓</a>

Instruction Leaflet			
EPSITRON Electronic Circuit Breaker		pdf 429.11 KB	<a href="#">↓</a>

CAD/CAE-Data

CAD data			
2D/3D Models 787-862			<a href="#">↓</a>

CAE data			
EPLAN Data Portal 787-862			<a href="#">↓</a>
WSCAD Universe 787-862			<a href="#">↓</a>
ZUKEN Portal 787-862			<a href="#">↓</a>

Engineering-Software

Software for Interface-Products			
WAGO Software 759-860	1.2.6 16.02.2012	zip 509.30 KB	<a href="#">↓</a>

Libraries

Library			
Anbindung Stromversorgungen Serie 787	1.3.0 14.05.2014	zip 549.48 KB	<a href="#">↓</a>



1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Communication cable



**Item No.: 787-890**  
RS-232 communication cable; Length 1.8 m

1.1.1.2 Connecting cable



**Item No.: 761-9005**  
USB adapter; with 1m connection cable

1.1.2 Marking

1.1.2.1 Marker



**Item No.: 2009-145**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.: 248-501**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; 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



**Item No.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.2.2 Marking strip



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white



**Item No.: 210-831**  
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



**Item No.: 210-832**  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

1.1.3 Mounting adapter

1.1.3.1 DIN-rail adapter



**Item No.: 787-897**  
Carrier rail adapter made of zinc die-cast; for mounting 787-8xx devices to a DIN 35 rail



**Item No.: 787-896**  
Carrier rail adapter; for mounting 787-8xx devices to a DIN 35 rail



1.1.3.2 Wall-mount adapter



**Item No.: 787-895**  
Mounting carrier; for screw fixing of 787-8xx devices on mounting plate or wall without DIN 35 rail

1.1.4 Tool

1.1.4.1 Operating tool



**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



**Item No.: 210-721**  
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured