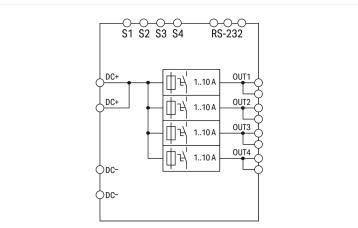
Electronic circuit breaker; 4-channel; 24 VDC input voltage; adjustable 1 ... 10 A;

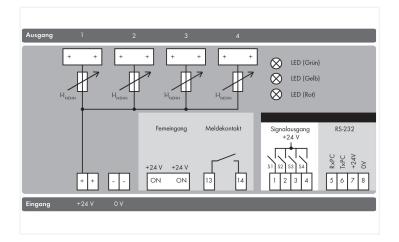
communication capability; 10,00 mm²

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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

Tashvisal data			
Technical data			
Input		Output	
Nominal input voltage U _{i nom}	24 VDC	Total number of channels (module)	4
Input voltage range	1830 VDC	Nominal output voltage $U_{o nom}$	4 x 24 VDC
		Output voltage range	18 30 VDC (U _e – voltage drop)
		Voltage drop	\leq 140 mV (6 A); \leq 240 mV (10 A) (Input (+))
		Nominal output current I _{o nom}	4 x 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 A (adjustable for each channel)
		Trip time	100 ms 600 s (load-dependent; adjustable; preset: 100 s)
		Switch-on capacity	
		Switch-on behavior	Time-delayed channel switching (250 ms each)
		Active current limitation	No
		Current limitation	No

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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 trip- ped)
Communications	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 _I	≤ 2 W; ≤ 12 W (nominal load)
Efficiency (typ.)	96 %

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

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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 specificationsConformity markingCEStandards/specificationsEN 60950 UL 508 EN 61000-6-2 EN 61000-6-3

Commercial dataProduct Group6 (INTERFACE ELECTRONIC)PU (SPU)1 pcsPackaging typeBoxCountry of originDECustoms tariff number85363010000

 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





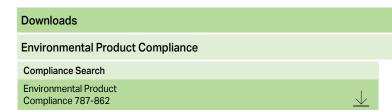
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc.	UL 508	E255817
UR Underwriters Laboratories Inc.	UL 60950-1	E255815

Declarations of conformity and manufacturer's declarations

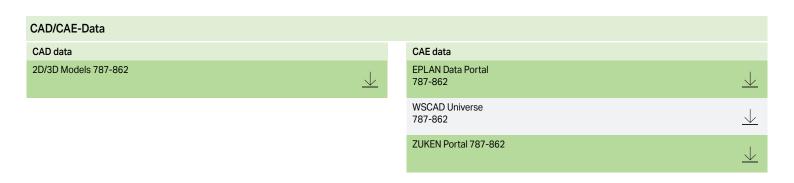
Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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Documentation						
Bid Text				Instruction Leaflet		
787-862	03.07.2019	xml 7.25 KB	$\overline{\downarrow}$	EPSITRON Electronic Circuit Breaker	pdf 429.11 KB	$\overline{\downarrow}$
787-862	03.07.2019	docx 18.69 KB	$\overline{\downarrow}$			



Engineering-Software Software for Interface-Products WAGO Software 1.2.6 zip 759-860 16.02.2012 509.30 KB

Libraries			
Library			
Anbindung Stromversorgungen Serie 787	1.3.0 14.05.2014	zip 549.48 KB	$\overline{\downarrow}$

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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.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snapon 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

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

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1.1.3.2 Wall-mount adapter



<u>Item No.: 787-895</u>

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

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

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

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

Current addresses can be found at:: www.wago.com

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