Electronic circuit breaker; 1-channel; 24 VDC input voltage; 2 A; Signal contact

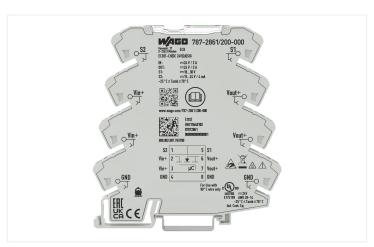
https://www.wago.com/787-2861/200-000

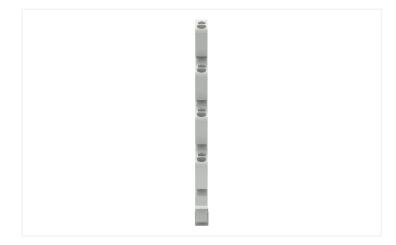


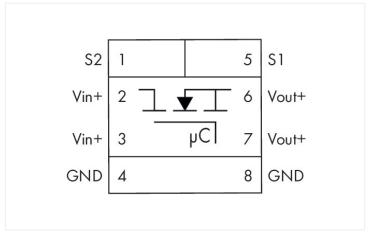




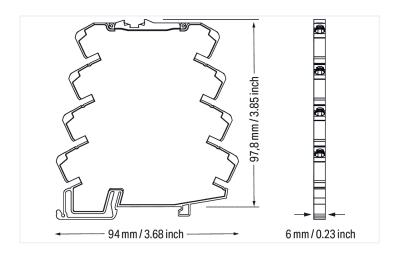












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Features:

- Space-saving ECB with one channel
- Reliably and safely trips in the event of an overload and short circuit on the secondary side
- Switch-on capacity > 50,000 μF
- Enables the use of an economical, standard power supply
- Minimizes wiring via two voltage outputs and maximizes commoning options on both input and output sides (e.g., commoning of the output voltage on 857 and 2857 Series devices)
- Status signal adjustable as single or group message
- Reset, switch on/off via remote input or local switch
- · Prevents power supply overload due to total inrush current thanks to time-delayed switching on during interconnected operation



lechnical data
Input

 $\begin{array}{lll} \mbox{Nominal input voltage $U_{\rm inom}$} & 24 \mbox{ VDC} \\ \mbox{Input voltage range} & 18 \dots 30 \mbox{ VDC} \end{array}$

Output

Total number of channels (module) 1

Nominal output voltage $\rm U_{o\,nom}$ 1 x 24 VDC

Output voltage range $$18\dots30\,\mathrm{VDC}\,\mathrm{(U_e}^{}\,\mathrm{-}\,\mathrm{voltage}\,\mathrm{drop}\mathrm{)}$$

Voltage drop ≤ 25 mV (2 A)

Nominal output current I_{o nom} 1 x 2 A (fixed setting)

Trip time 4 ms ... 100 s (load-dependent)

Switch-on capacity

Switch-on behavior Time-delayed channel switching (load-

dependent, min. 170 ms / max. 500 ms)

Active current limitation No
Current limitation No

Signaling and communication

Signaling 1 x Status LED (green/yellow/red/blue)

1 x Control input

1 x Active signal output (U_i, max. 4 mA)

Operation status indicator Green LED (channel OK)

Red LED (tripped channel)

Remote input 18 ... 30 VDC signal, switches on/off and

resets the channel

Efficiency/power losses

Power loss $P_1 \le 0.36 \text{ W}$

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
Pollution degree	2
Transient suppression (primary)	Suppressor diode (33 V)
Parallel operation of single channels	Not permitted
Series operation	No
MTBF	1,262,142 h (per MIL-HDBK-217F2)

Connection data				
Number of jumper slots	8		Connection 1	
		Connection technology	Push-in CAGE CLAMP®	
	WAGO connector	WAGO 857 Series		
	Solid conductor	0.08 2.5 mm² / 28 14 AWG		
		Fine-stranded conductor	0.34 2.5 mm² / 22 14 AWG	
			Strip length	9 10 mm / 0.35 0.39 inches

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Physical data

Width6 mm / 0.236 inchesHeight94 mm / 3.701 inchesDepth from upper-edge of DIN-rail97.8 mm / 3.85 inches

Mechanical data

Mounting type DIN-35 rail

Material data

Fire load 0 MJ Weight 34 g

Environmental requirements

Ambient temperature (operation) -25 ... +70 °C (device starts at -40 °C (type-tested))

Ambient temperature (storage) -40 ... +85 °C

Relative humidity 10 ... 95 % (no condensation permissible)

Derating No derating

Standards and specifications

Conformity marking CE

Standards/specifications EN 61000-6-2 EN 61000-6-3

UL 61010-2-201

DNV

Commercial data

PU (SPU) 1 pcs
Packaging type Bag
Country of origin CN

Customs tariff number 85363010000

Product classification

 UNSPSC
 39121634

 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

CAS-No. 1303-86-2 1317-36-8 7439-92-1

REACH Candidate List Substance Diboron trioxide

Lead

Lead monoxide

RoHS Compliance Status Compliant, With Exemption

RoHS Exemption 6(c)

7(a) 7(c)-l

7(c)-II

 SCIP notification number (Austria)
 3e85e14b-c7cb-484e-968a-2ce00e576774

 SCIP notification number (Belgium)
 34601d38-5bcb-4302-ab55-a068ea19713e

SCIP notification number (Bulgaria) 0c8ceb5c-3f96-41a1-ba70-8a38b9968c27

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Environmental Product Compliance		
SCIP notification number (Czech Republic)	d9d408a3-cc8d-4567-8f98-5837064987ac	
SCIP notification number (Denmark)	e5647c56-bb3d-48fd-bea1-0ec1a9381d1e	
SCIP notification number (Finland)	d641fa9f-51f9-46c3-8d1f-5765454b5398	
SCIP notification number (France)	ce96db74-bfb6-4947-b42d-c8f4417af1b1	
SCIP notification number (Germany)	0c9009c5-5bd8-4318-b0da-90af6312a997	
SCIP notification number (Hungary)	3f640956-f2c1-4148-ad64-9f4f5d311892	
SCIP notification number (Italy)	63826b4d-11ed-4e38-864d-63e2bf382ce3	
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SCIP notification number (Romania)	b5755c5c-3521-41b3-a467-6a9e2d8ddbc9	
SCIP notification number (Sweden)	5b376c8a-42e6-4066-a06e-9a692d5ed504	

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name	
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081	
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	UL 2367,UL 61010-2-201	E175199 Vol.3 Sec.2 Series 0787 ECB	

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



Approval	Standard	Certificate Name
DNV DNV Germany GmbH	DNV-CG-0339,Aug.2021	TAA00001D1

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-2861/200-000



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Jumper; for jumper slot; 6-way; insulated;

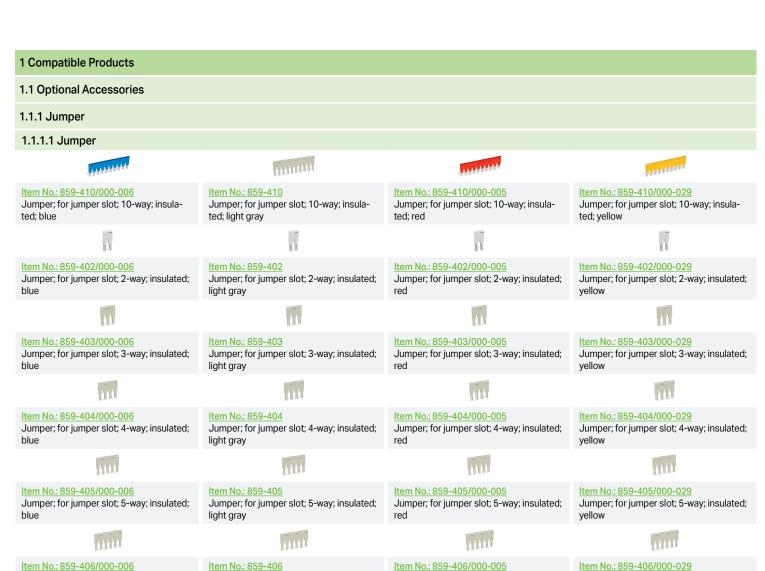
blue



Documentation **Bid Text** Manual 787-2861/200-000 Product Manual Elec-V 1.3.1 pdf xml 16.12.2019 2933.00 KB 03.07.2019 7.06 KB tronic Circuit Breaker 787-2861/200-000 docx 02.07.2019 34.05 KB

Instruction Leaflet			
Electronic Circuit Breaker	V 2.0.0 27.02.2023	pdf 3477.29 KB	$\underline{\downarrow}$

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-2861/200-000	EPLAN Data Portal 787-2861/200-000
	ZUKEN Portal 787-2861/200-000



red

Jumper; for jumper slot; 6-way; insulated;

light gray

Jumper; for jumper slot; 6-way; insulated;

Jumper; for jumper slot; 6-way; insulated;

yellow

https://www.wago.com/787-2861/200-000



1.1.1.1 Jumper









Item No.: 859-407/000-006

Item No.: 859-408/000-006

Jumper; for jumper slot; 7-way; insulated; blue

Item No.: 859-407

Jumper; for jumper slot; 7-way; insulated; light gray

Item No.: 859-407/000-005

Jumper; for jumper slot; 7-way; insulated;

Item No.: 859-407/000-029

Jumper; for jumper slot; 7-way; insulated; yellow

Jumper; for jumper slot; 8-way; insulated;



Item No.: 859-408 Jumper; for jumper slot; 8-way; insulated; light gray

Item No.: 859-408/000-005

Jumper; for jumper slot; 8-way; insulated;

Item No.: 859-408/000-029

Jumper; for jumper slot; 8-way; insulated;



Item No.: 859-409/000-006 Jumper; for jumper slot; 9-way; insulated;

Item No.: 859-409

Jumper; for jumper slot; 9-way; insulated; light gray

Item No.: 859-409/000-005

Jumper; for jumper slot; 9-way; insulated;

Item No.: 859-409/000-029

Jumper; for jumper slot; 9-way; insulated;

1.1.2 Marking

1.1.2.1 Marker





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.: 793-502

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 793-566

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

Item No.: 793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-504

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



Item No.: 793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; 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; snapon 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

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 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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