Electronic circuit breaker; 1-channel; 24 VDC input voltage; 8 A; Signal contact

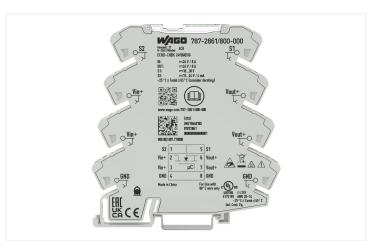
https://www.wago.com/787-2861/800-000

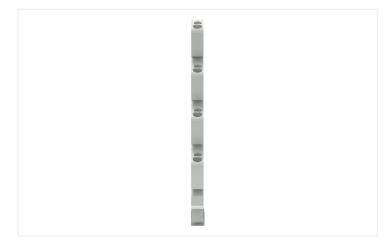


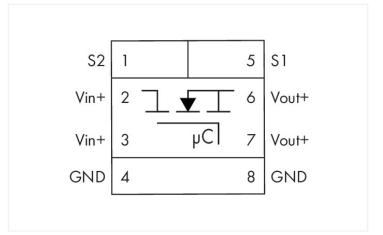




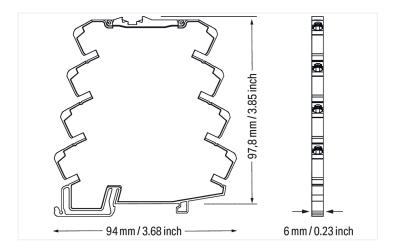












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Features:

- · 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



_		
IDC	nnica	l data

Input	
Nominal input voltage U _{i nom}	24 VDC
Input voltage range	18 30 VDC

Output	
Total number of channels (module)	1
Nominal output voltage U _{o nom}	1 x 24 VDC
Output voltage range	18 30 VDC (U _e – voltage drop)
Voltage drop	≤ 25 mV (8 A)
Nominal output current I _{o nom}	1 x 8 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 _r 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 _I	≤ 0.36 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	1,245,816 h (per MIL-HDBK-217F2)

ection data			
per 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 ... +65 °C (device starts at -40 °C (type-tested); derating must be observed)

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

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

Derating See instruction manual

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

Sustainis (ann number 555050 10000

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) 7a18a570-f7d4-4ce3-a4df-eaaeb67782ef

SCIP notification number (Belgium) a04d387a-8a2d-4677-8d3d-bf04041274ca

SCIP notification number (Bulgaria) c18a7088-f04c-41f1-84dc-6949842474c4

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Environmental Product Compliance	
SCIP notification number (Czech Republic)	58a1c0d9-ee95-49cc-8906-53cd0ce1564e
SCIP notification number (Denmark)	5474789e-7e27-4632-9ec1-fda2f22e626a
SCIP notification number (Finland)	5479a095-fce5-4950-b895-579956bc39ec
SCIP notification number (France)	5e2f5b43-1a9c-4dbc-9be6-fb40530f4cda
SCIP notification number (Germany)	49a26334-defd-4666-a59c-86669edb7ae5
SCIP notification number (Hungary)	43b90980-b448-468b-85e5-1c62afbc6716
SCIP notification number (Italy)	be56d0a5-5fdd-457e-bc2f-00250095710d
SCIP notification number (Netherlands)	86bd52f2-1b64-4433-b6d8-f75995b4084b
SCIP notification number (Poland)	9c070fdd-2613-44a5-b01c-47186f8e4942
SCIP notification number (Romania)	179ce956-5657-46ff-8826-fb86ce0a2b08
SCIP notification number (Sweden)	6dca1f8c-14e8-4f8b-9ac5-ad5b3e6e1b45

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 787-2861/800-000



https://www.wago.com/787-2861/800-000

Item No.: 859-406/000-006

blue

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



Documentation **Bid Text** Manual 787-2861/800-000 Product Manual Elec-V 1.3.1 pdf xml 16.12.2019 2933.00 KB 03.07.2019 7.09 KB tronic Circuit Breaker 787-2861/800-000 docx 02.07.2019 33.84 KB

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

CAD/CAE-Data	
CAD data 2D/3D Models	CAE data EPLAN Data Portal
787-2861/800-000	787-2861/800-000
	ZUKEN Portal 787-2861/800-000



red

Item No.: 859-406

light gray

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

Item No.: 859-406/000-005

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

Item No.: 859-406/000-029

yellow

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

https://www.wago.com/787-2861/800-000



1.1.1.1 Jumper

blue



Item No.: 859-407/000-006



light gray

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

THE



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; 7-way; insulated;





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

Item No.: 859-407/000-005

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;



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

Item No.: 859-409/000-006

Item No.: 859-408/000-006

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



Item No.: 859-408

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;



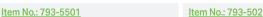
Item No.: 859-409/000-029

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

1.1.2 Marking

1.1.2.1 Marker





WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 -5.2 mm; plain; snap-on type; white



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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