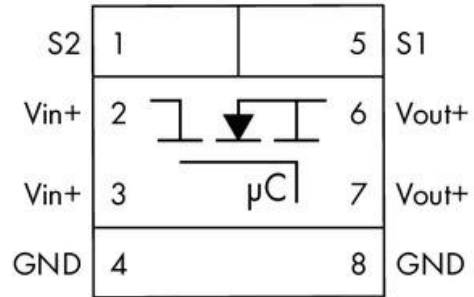
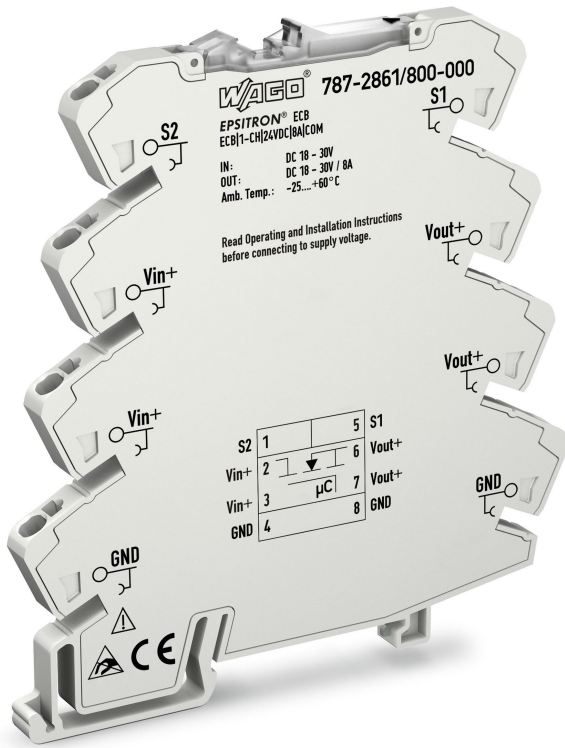


Data sheet | Item number: 787-2861/800-000

electronic circuit breaker; 1-channel; 24 VDC input voltage; 8 A;
communication capability



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



Data

Technical Data

Input

Nominal input voltage $U_{i\text{nom}}$ 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_i – voltage drop)
Voltage drop	≤ 160 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	> 50000 μ F per channel
Switch-on behavior	Time-delayed channel switching (load-dependent, min. 170 ms / max. 500 ms)
Active Current Limitation	no

Signaling and communication

Signaling	1 x LED status (green/yellow/rot/blue) 1 x cntrol input 1 x active signal output (U_i , max. 4 mA)
Operation status indicator	LED green (channel OK) LED red (tripped channel)
Remote input	18 ... 30 VDC signal, switches on/off and resets the channel

Efficiency/Power losses:

Power loss P_v	≤ 0.3 W (no load)
Efficiency	$\geq 99\%$

Fuse protection:

Internal fuse	T 15 A
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Safety and protection:

Protection class	III
Degree of protection	IP20 (per EN 60529)
Reverse voltage protection	No
Transient protection, primary	Suppressor diode, 33 V
Parallel operation of single channels	Not permitted
Series connection	No
MTBF	1,245,816 h (per MIL-HDBK-217F2)

Connection data

Number of jumper slots	8
Connection technology	Push-in CAGE CLAMP®
WAGO terminal	WAGO 857 Series
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 Inch

Geometrical Data

Width	6 mm / 0.236 inch
Height from upper-edge of DIN-35 rail	97.8 mm / 3.85 inch
Depth	94 mm / 3.701 inch

Mechanical data

Type of mounting	DIN-35 rail (EN 60715)
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Material Data

Weight	57 g
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Environmental Requirements

Surrounding air (operating) temperature	-25 ... 65 °C (Derating must be observed)
Surrounding air (storage) temperature	-40 ... 85 °C
Relative humidity	10 ... 95 % (no condensation permissible)
Derating	See instruction manual
Pollution degree	2

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61000-6-2; EN 61000-6-3; UL 61010-2-201* (*pending)



Commercial data

Packaging type	bag
Country of Origin	DE
GTIN	4055143533171

Subject to changes.

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