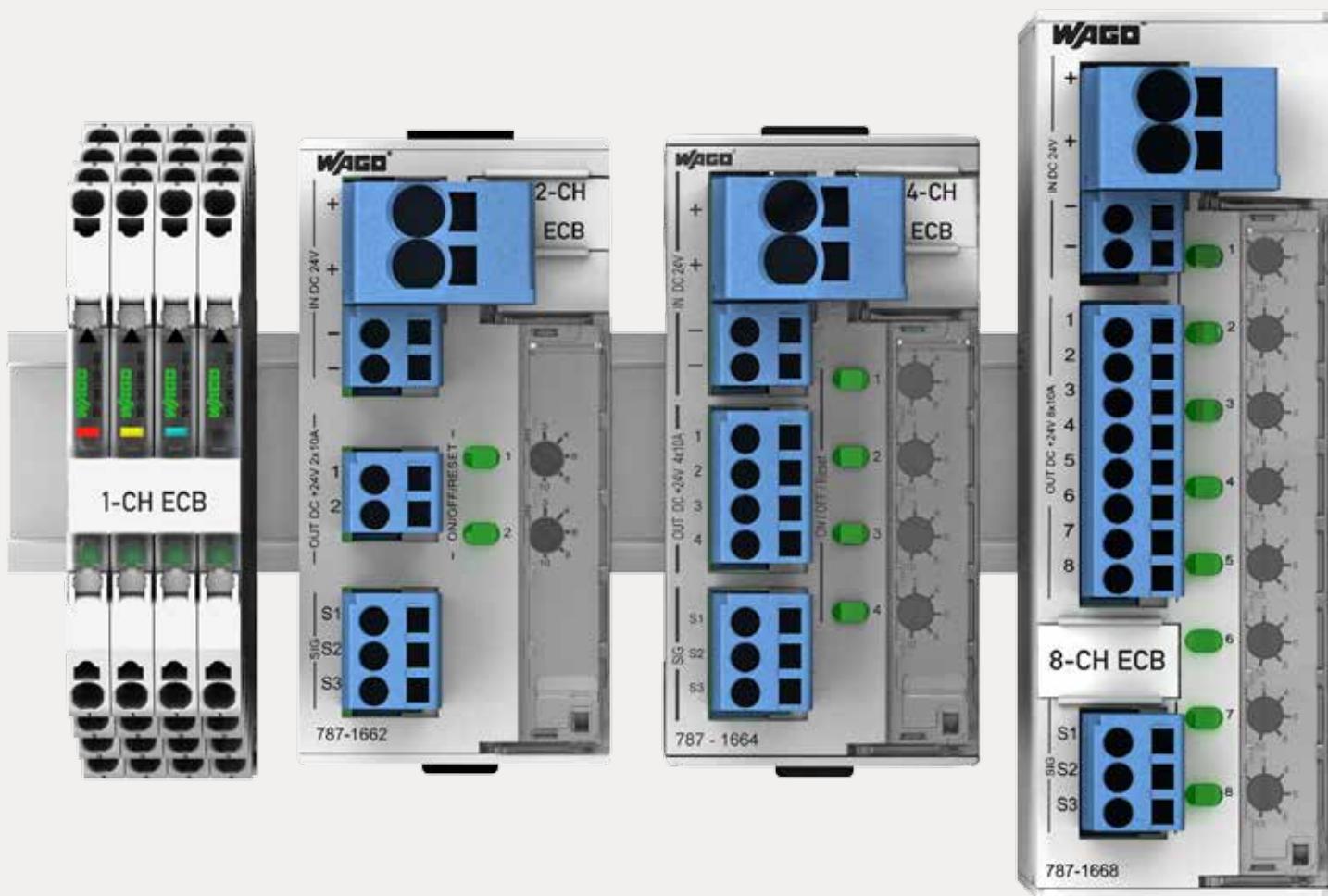


EPSITRON® – Electronic Circuit Breakers

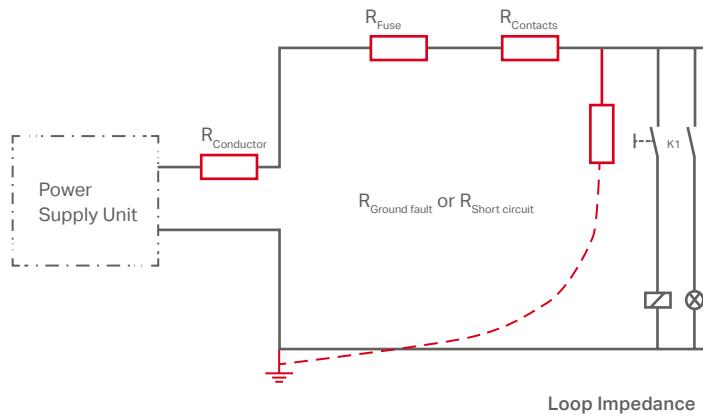
Compact and Precise ECBs for DC Circuits



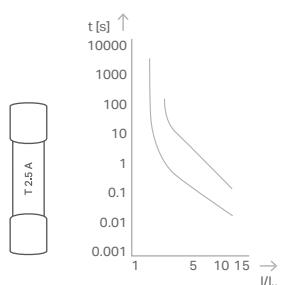
WHY SECONDARY-SIDE FUSE PROTECTION?

On the secondary side, switched-mode power supplies provide DC voltage to control circuit loads (e.g., controllers, operating panels, displays and auxiliary relays). These control circuits also call for wiring protection and if the load has no protective unit of its own, device protection as well. Furthermore, Machinery Directive EN 60204 requires the detection of hazardous ground faults in control circuits and switching off within five seconds.

The overcurrent protection in primary switched-mode power supplies reacts very quickly to overcurrents on the output side. Selective protection of individual current paths in the secondary circuit via fuses or conventional circuit breakers is often ineffective, if the power supply cannot deliver a brief overcurrent.

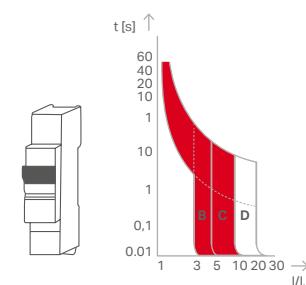


WHAT TYPES OF FUSE PROTECTION ARE THERE?



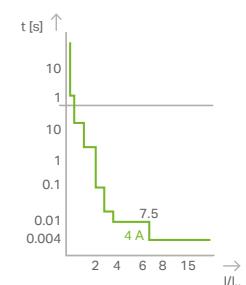
Thermal

- Example: as found in NH and DP fuses
- High overcurrents required for fast tripping
- In the example:
10-fold overcurrent (related to the fuse nominal current):
 - Tripping within range 30 ms (best case) or 200 ms (worst case)
- Only 2-fold overcurrent:
 - Tripping within range 2 s (best case) or > 100 s (worst case)



Thermal and Magnetic

- Found in circuit breakers or motor protection switches
- High overcurrents required for fast tripping
- In the example:
3 ... 5-fold overcurrent for B-characteristic and AC operation, additional safety factor 1.2 or 1.5
 - Thus, in the worst case a tripping current of 7.5 times the nominal current is necessary.



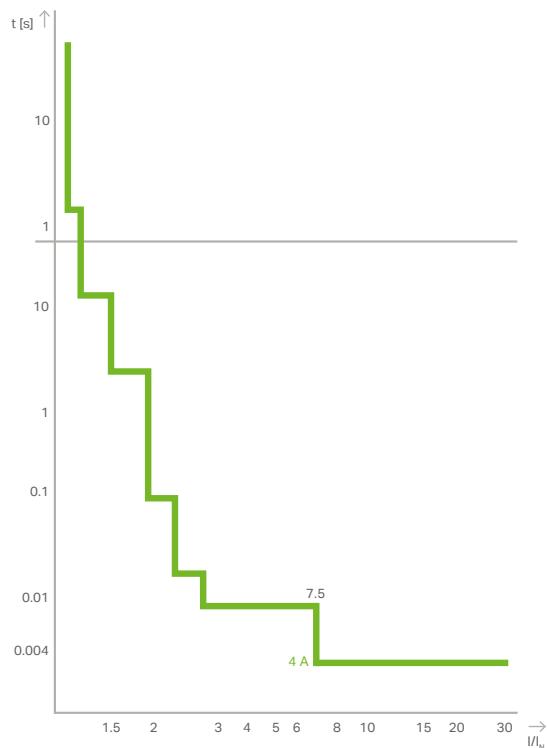
Electronic

- Ensure precision settings
- Reaction within a short time – even at low overcurrents
- Protection of long cable runs and small cross sections possible

NH fuse = Low-voltage, high-power fuse
DP fuse = Device protection fuse

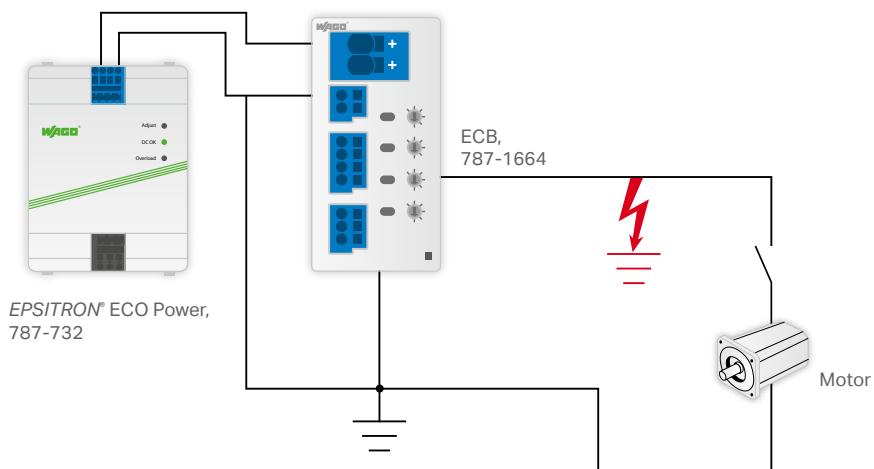
HOW DOES AN ECB FUNCTION?

The ECB verifies that the output current is greater than the nominal current. As soon as the output current exceeds the nominal current, the output is electronically switched off by a semiconductor switch. The trip time depends on the magnitude of the overcurrent. The measurement of the output current, processing and calculation of the tripping time, as well as actuation of the semiconductor switch are performed by a microprocessor that monitors one or more output channels. The corresponding tripping times can be taken from the graph on the right.



ECB ADVANTAGES

- Switch off secondary-side overcurrents and short circuits – even with long cable runs and small conductor cross-sections – precisely, fast and repeatedly
- Selectivity, especially with ECBs having active current limitation
- Remote operation via digital input and output
- Readout functions (communication) through serial data transfer via digital input and output
- Beneficial installation size and width, for example, 8 output channels in just 42 mm (save more than 70% of installation space compared to miniature circuit breakers)
- Nominal current assignable for each channel
- Satisfy EN 60204-1 requirements for dependably switching off ground faults after five seconds (see right)



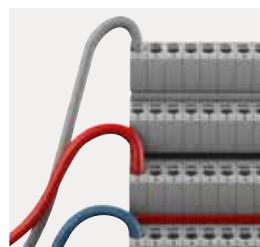
EPSITRON® – ELECTRONIC CIRCUIT BREAKERS

Single-Channel ECBs



Push-In CAGE CLAMP® Connection

- Terminate solid and ferruled conductors via Push-In CAGE CLAMP® Connections – no operating tool needed



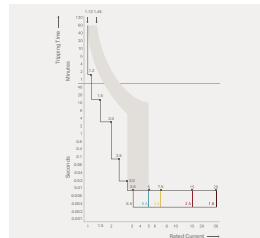
Easy Wiring

- Input potential up to 40 A via double connection
- Signal output can be commoned for up to 30 devices
- Total reset by commoning the signal inputs



Intuitive Status Indication

- Integrated, multi-color LEDs indicate the operating status of each channel
- Push/slide switch for switching on/off, as well as acknowledgement



Trip Characteristics

- Reliable, rapid and precise disconnection in case of overcurrent or short circuit
- High switch-on capacities > 50,000 µF



Industry's Most Compact

- "True" 6.0 mm width maximizes panel space



Marking

- Device identification via WMB Markers or TOPJOB® S Marking Strips
- With devices color coded according to nominal current



Versatile Configuration Options

- Optional nominal current setting 1 ... 8 A, in 1 A increments
- 7 different configuration options for the digital measurement output

2-, 4- and 8-Channel ECBs



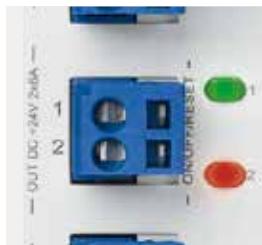
Pluggable CAGE CLAMP® Connection Technology

- Fast, vibration-proof, maintenance-free
- For solid, fine-stranded and ferruled conductors
- 100% protected against mismatching
- With marking



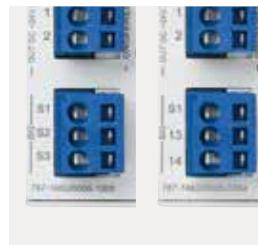
Rotary Switch

- Nominal current can be individually adjusted for each channel
- The setting is visible, even when no voltage is applied
- Transparent cover can be sealed and marked with TOPJOB® S Marking Strips



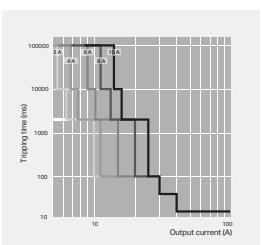
Intuitive Status Indication

- Each output channel has backlit buttons for switching on/off, as well as acknowledgement
- Integrated, multi-color LEDs indicate the operating status of each channel



Communication 1.0

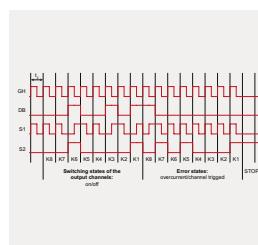
- Remote digital input S1 resets all tripped channels.
- Digital output S3 transmits a simple group message indicating whether one of the channels was triggered by an overcurrent.
- Optional isolated signal contact 13/14 as group signal



Trip Characteristics

- Reliable and precise disconnection in case of overcurrent or short circuit
- Optional, active short circuit current limitation* to 1.7 times the nominal current prevents a voltage drop in other current paths

*Only for 787-166x/xxxx-1xxx



Communication 2.0

- Remote digital input (S1) switches certain channels on and off via pulse sequence.
- Digital output S2 transmits the current status (on/off/tripped/over-current) of each individual channel
- Optional transmission of input voltage and output/nominal current value for each channel

EPSITRON® – ELECTRONIC CIRCUIT BREAKERS

Product Overview – ECBs



Nominal Voltage [V] DC	Number of Channels	Adjustable Nominal Current [A]	Active Current Limitation	Isolated Signal Contact	Specialty Configuration	Item Number
24	1	1				787-2861/0100-0000
		2				787-2861/0200-0000
		4				787-2861/0400-0000
		6				787-2861/0600-0000
		8				787-2861/0800-0000
		1 ... 8				787-2861/0108-0020
24	2	2 ... 10				787-1662
		2 ... 10				787-1662/0000-0004
		2 ... 10		■	■	787-1662/0000-0054
		3.8 LPS	■			787-1662/0004-1000
		0.5 ... 6	■			787-1662/0006-1000
		1 ... 6				787-1662/0106-0000
		2 ... 12	■			787-1662/0212-1000
24	4	2 ... 10				787-1664
		2 ... 10				787-1664/0000-0004
		2 ... 10		■	■	787-1664/0000-0054
		3.8 LPS	■			787-1664/0004-1000
		0.5 ... 6	■			787-1664/0006-1000
		1 ... 6				787-1664/0106-0000
		2 ... 12	■			787-1664/0212-1000
24	8	0.5 ... 6	■	■	■	787-1664/0006-1054
		2 ... 10				787-1668
		2 ... 10				787-1668/0000-0004
		2 ... 10		■	■	787-1668/0000-0054
		0.5 ... 6	■			787-1668/0006-1000
		1 ... 6				787-1668/0106-0000
		0.5 ... 6	■	■	■	787-1668/0006-1054
12	2	2 ... 10				787-1662/0000-0100
	4	2 ... 10				787-1664/0000-0100
48	2	2 ... 10				787-1662/0000-0200
		2 ... 10				787-1662/0000-0250
	4	2 ... 10				787-1664/0000-0200
		2 ... 10		■		787-1664/0000-0250
	8	2 ... 10				787-1668/0000-0200
		2 ... 10		■		787-1668/0000-0250

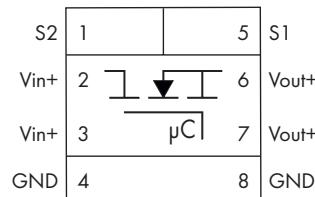
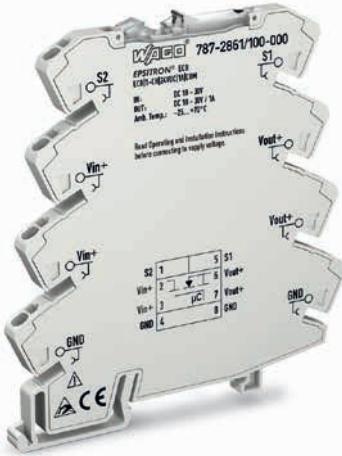


Model Code Key:

787-xx6a/bbcc-defg

EPSITRON® Series	_____	_____	_____	_____	_____	_____	_____
Design	_____						
ECB	_____						
Number of channels	_____						
Lower nominal current (00: 0.5 A; 01: 1 A; 02: 2 A)	_____						
Upper nominal current (04: 3.8 A; 06: 6 A; 12: 12 A)	_____						
With (1) or without (0) active current limitation	_____						
Nominal voltage (0: 24 VDC; 1: 12 VDC; 2: 48 VDC)	_____						
With (5) or without (0) potential-free contact;	_____						
(2) settable single-channel variant	_____						
Configuration (0: standard; 4: with group message "tripped"	_____						
and "switched off;" 5, 6: customer specification	_____						

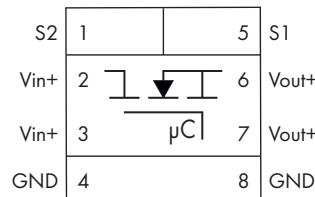
Electronic Circuit Breaker (ECB) EPSITRON®



Features:

- Space-saving ECB with one channel and 1 A nominal current
 - 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 – 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 in interconnected operation

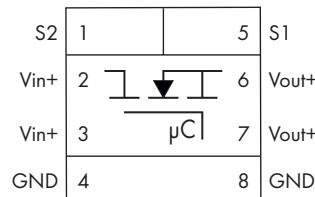
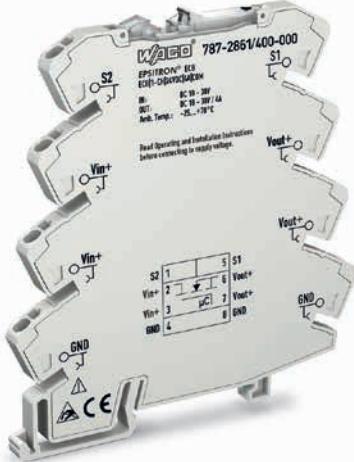
Electronic Circuit Breaker (ECB) EPSITRON®



Features:

- Space-saving ECB with one channel and 2 A nominal current
 - 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 – 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 in interconnected operation

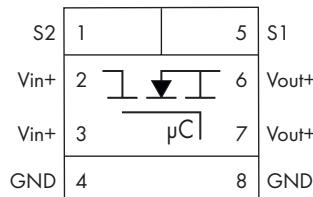
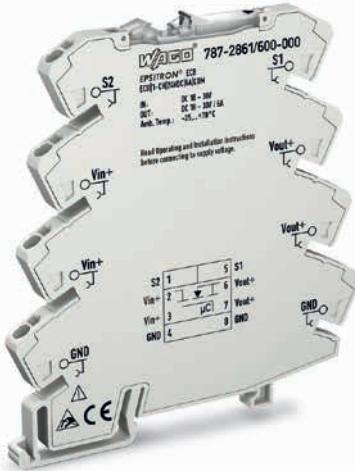
Electronic Circuit Breaker (ECB) EPSITRON®



Features:

- Space-saving ECB with one channel and 4 A nominal current
 - 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 – 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 in interconnected operation

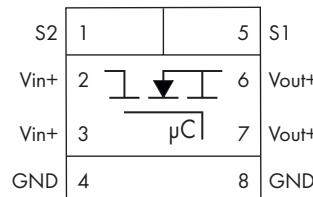
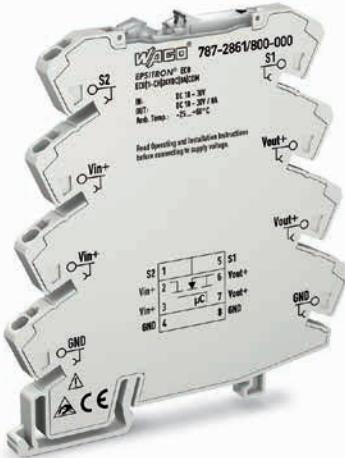
Electronic Circuit Breaker (ECB) EPSITRON®



Features:

- Space-saving ECB with one channel and 6 A nominal current
 - 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 – 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 in interconnected operation

Electronic Circuit Breaker (ECB) EPSITRON®



Features:

- Space-saving ECB with one channel and 8 A nominal current
 - 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 – 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 in interconnected operation

Electronic Circuit Breakers (ECB)

EPSITRON®

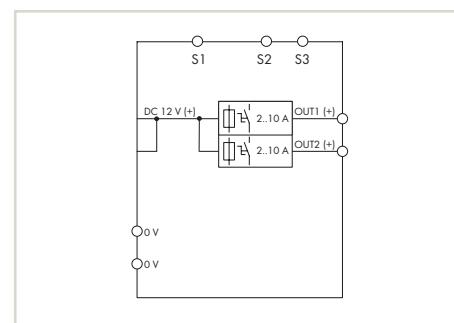
787 Series



Similar to pictured device

Features:

- Space-saving electronic circuit breaker with 2 channels
- 2 ... 10 A nominal current, adjustable for each channel via sealable selector switch
- Switch-on capacity > 50000 µF per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence
- Remote input resets all tripped channels or switches on/off any number of channels via pulse sequence



EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 12 VDC,
2 ... 10 A adjustable, communication capability

	Item No.	Pack. Unit
	787-1662/000-100	1

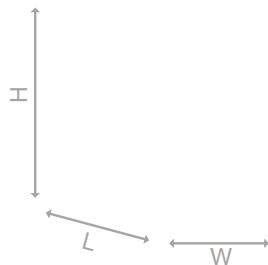
Technical Data

Input	Safety and Protection
Nominal input voltage U_{inom}	Test voltage 500 VDC (terminals to enclosure)
Input voltage range	Protection class III
Output	Reverse voltage protection No
Nominal output voltage $U_{\text{on}}^{\text{nom}}$	Degree of protection IP20 per EN 60529
Nominal current	Oversupply protection Via 33 V suppressor diode at input
Uoltage drop	Feedback voltage Max. 35 VDC
Trip time	Series connection of several devices Not permitted
Switch-on capacity	Parallel operation of single channels Not permitted
Switch-on behavior	Connection and Type of Mounting
Active current limitation	Connectors Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Operational indication	Conductor range Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Signaling	Strip length Input (+): 13 ... 15 mm / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Remote input	Type of mounting DIN-rail mounting (EN 60715)
Efficiency/Power Losses	Dimensions and Weight Dimensions (mm) W x H x L 45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Efficiency	Weight 170 g
Power loss P_V	
Fuse Protection	
Internal fuse	
General Specifications	
Standards/Approvals	
Environmental Requirements	
Ambient operating temperature	
Storage temperature	
Relative humidity	
Derating	
Degree of pollution	

Electronic Circuit Breakers with Active Current Limitation

EPSITRON®

787 Series



5

Features:

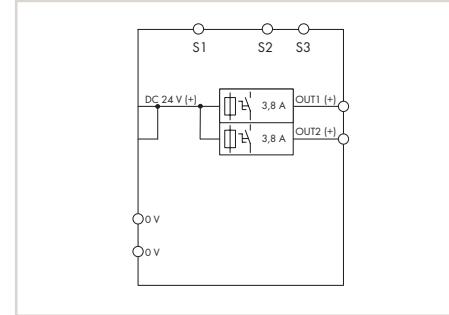
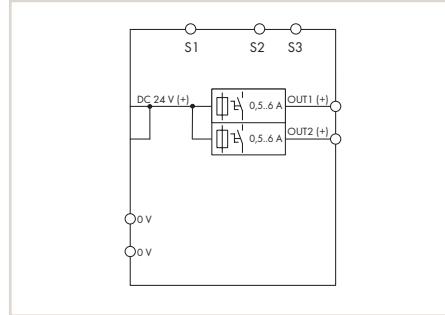
- Space-saving electronic circuit breaker with 2 channels
- 0.5 ... 6 A nominal current, adjustable for each channel via sealable selector switch
- Active current limitation
- Switch-on capacity > 65000 µF per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence
- Remote input resets all tripped channels or switches on/off any number of channels via pulse sequence

Technical Data

Input	
Nominal input voltage $U_{i,nom}$	24 VDC
Output	
Nominal output voltage $U_{o,nom}$	2 x 24 VDC
Trip time	Load-dependent (16 ms ... 5 s)
Switch-on capacity	> 65000 µF per channel
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Active current limitation	Yes
Operational indication	LED green (OK channel) LED red (tripped channel)
Signaling	2 x LED (green/red/orange)
Remote input	Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms Switching on/off any number of channels via pulse sequence
Efficiency/Power Losses	
Efficiency	99 % (typ.)
Environmental Requirements	
Ambient operating temperature	-25 ... +70 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	No derating
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Oversupply protection	Via 33 V suppressor diode at input
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm² / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)
Dimensions and Weight	
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Weight	170 g



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 24 VDC,
0.5 ... 6 A adjustable, active current limitation,
communication capability

Item No.	Pack. Unit
787-1662/006-1000	1

EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 24 VDC, 3.8 A,
active current limitation, NEC Class 2,
communication capability

Item No.	Pack. Unit
787-1662/004-1000	1

Electrical Data

Input voltage range	18 ... 30 VDC	20 ... 28.8 VDC
Nominal current	Max. 2 x 6 ADC, (0.5, 1, 2, 3, 4, 6 A adjustable for each channel via selector switch)	2 x 3.8 ADC, NEC Class 2 (at 20 ... 24 VDC); 2 x 3.2 ADC, NEC Class 2 (at 28 VDC) fixed nominal current
Voltage drop	Uoltage drop 145 mV at 6 A	125 mV at 3.8 A
Power loss P _V	0.55 W (stand-by) / 2.5 W (nominal load)	0.65 W (stand-by) / 1.6 W (at 2 x 3.8 A)
Internal fuse	15 AT per channel	None
Degree of pollution	2 (acc. to EN 50178)	2 (acc. to EN 50178)
Feedback voltage	Max. 35 VDC	Max. 28.8 VDC
General Specifications		
Standards/Approvals	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3	
	UL 508, UL 2367, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)	

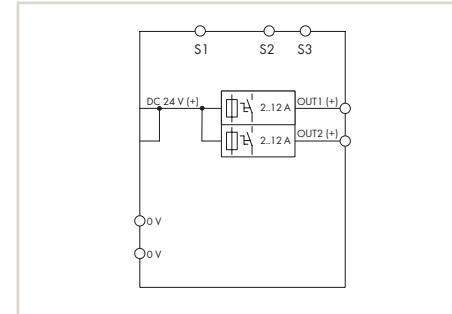
Electronic Circuit Breakers with Active Current Limitation

EPSITRON®

787 Series



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 24 VDC,
2 ... 12 A adjustable, active current limitation,
communication capability

Item No.	Pack. Unit
787-1662/212-1000	1

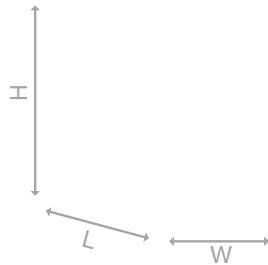
Electrical Data

Input voltage range	18 ... 30 VDC
Nominal current	Max. 2 x 12 ADC, (2, 4, 6, 8, 10, 12 A adjustable for each channel via selector switch)
Voltage drop	210 mV at 12 A
Power loss P_v	0.55 W (stand-by) / 5.6 W (at 2 x 12 A)
Internal fuse	15 AT per channel
Degree of pollution	2 (acc. to EN 50178)
Feedback voltage	Max. 35 VDC
General Specifications	
Standards/Approvals	UL 508, UL 2367, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)

Electronic Circuit Breakers without Active Current Limitation

EPSITRON®

787 Series



5

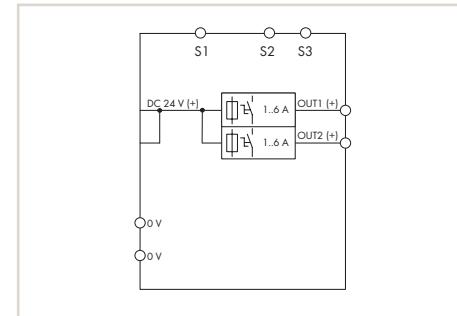
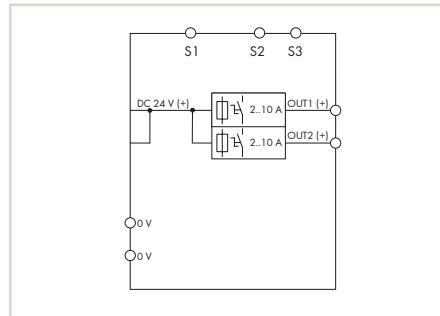
Features:

- Space-saving electronic circuit breaker with 2 channels
- 2 ... 10 A nominal current, adjustable for each channel via sealable selector switch
- Switch-on capacity > 50000 µF per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence (only devices with communication capability)
- Remote input for switching on/off any number of channels via pulse sequence (only devices having communication capability)

Note: The pulse sequence only supports devices which are designated as having "communication capability"

Technical Data

Input	
Nominal input voltage $U_{i,nom}$	24 VDC
Input voltage range	18 ... 30 VDC
Output	
Nominal output voltage $U_{o,nom}$	2 x 24 VDC
Trip time	Load-dependent (16 ms ... 100 s)
Switch-on capacity	> 50000 µF per channel
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Active current limitation	No
Operational indication	LED green (OK channel), LED red (tripped channel)
Signaling	2 x LED (green/red/orange)
Remote input	Reactivation of all tripped channels via 15 ... 30 VDC impulse sequence for min. 500 ms. Switching on/or any number of channels via pulse sequence possible (except devices with potential-free signal contact, 787-166x/xxx-xx5x).
Efficiency/Power Losses	
Efficiency	99 % (typ.)
Fuse Protection	
Internal fuse	15 AT per channel
Environmental Requirements	
Ambient operating temperature	-25 ... +70 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	No derating
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Overvoltage protection	Via 33 V suppressor diode at input
Feedback voltage	Max. 35 VDC
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm² / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)
Dimensions and Weight	
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Weight	170 g



**EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, communication capability**

	Item No.	Pack. Unit
	787-1662	1

**EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 24 VDC,
1 ... 6 A adjustable, communication capability**

	Item No.	Pack. Unit
	787-1662/106-000	1

Electrical Data

Nominal current	Max. 2 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)	2 x 6 ADC (max), (1, 2, 3, 4, 5, 6 A adjustable for each channel via selector switch)
Factory preset		
Uoltage drop	200 mV at 10 A	120 mV at 6 A
Power loss P _v	0.85 W (stand-by) / 5.5 W (nominal load)	0.85 W (stand-by) / 2.5 W (nominal load)
Degree of pollution	2 (acc. to EN 50178)	2 (acc. to EN 50178)
General Specifications		
Standards/Approvals	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3

Electronic Circuit Breakers without Active Current Limitation

EPSITRON®

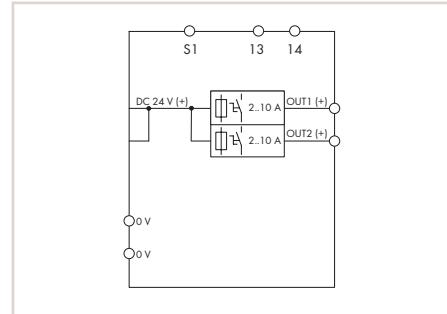
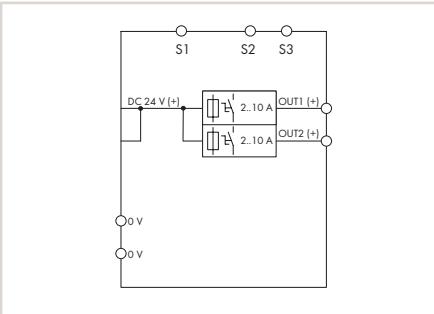
787 Series



Similar to pictured device



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, communication capability,
specialty configuration

Item No.	Pack. Unit
787-1662/000-004	1

Group signal S3 reports "channel switched off" and
"tripped channel"

EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, potential-free signal contact
13/14, specialty configuration

Item No.	Pack. Unit
787-1662/000-054	1

Potential-free signal contact 13 / 14 reports "channel switched off" and "tripped channel";
does not support communication via pulse sequence

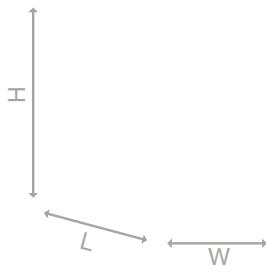
Electrical Data

Nominal current	Max. 2 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)
Factory preset	2 ADC (when switched off)
Voltage drop	200 mV at 10 A
Power loss Pv	0.84 W (stand-by) / 5.5 W (at 2 x 10 A)
Degree of pollution	2 (acc. to EN 50178)
General Specifications	
Signaling	Max. 2 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)
Standards/Approvals	2 ADC (when switched off)
	200 mV at 10 A
	0.84 W (stand-by) / 5.5 W (at 2 x 10 A)
	2 (acc. to EN 50178)
	Potential-free signal contact 13 / 14, max. 58 VDC / 40 A AC, 100 mA
	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)

Electronic Circuit Breakers (ECB)

EPSITRON®

787 Series



Features:

- Space-saving electronic circuit breaker with 2 channels
- 2 ... 10 A nominal current, adjustable for each channel via sealable selector switch
- Switch-on capacity > 23000 µF per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence (only devices with communication capability)
- Remote input resets all tripped channels
- Remote input for switching on/off any number of channels via pulse sequence (only devices with communication capability)

Note: The pulse sequence only supports devices which are designated as having "communication capability"

Technical Data

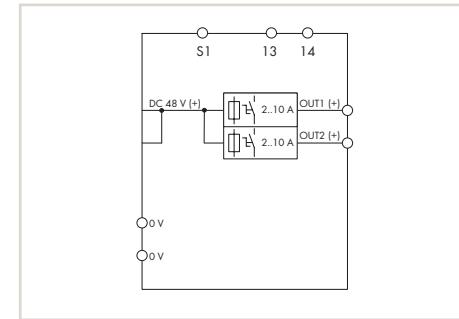
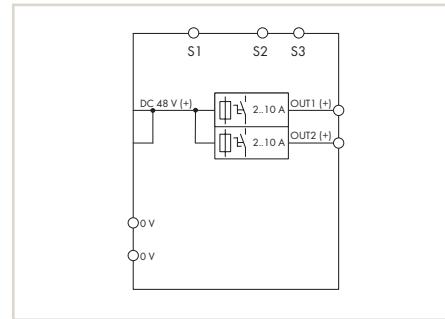
Input	
Nominal input voltage $U_{i,nom}$	48 VDC
Input voltage range	32 ... 58 VDC
Output	
Nominal output voltage $U_{o,nom}$	2 x 48 VDC
Nominal current	Max. 2 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)
Voltage drop	175 mV at 10 A
Trip time	Load-dependent (16 ms ... 100 s)
Switch-on capacity	> 23000 µF per channel at 48 VDC, 2.5 mm² cable cross-section and 2.5 m cable length
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Active current limitation	No
Operational indication	LED green (OK channel), LED red (tripped channel)
Signaling	2 x LED (green/red/orange)
Efficiency/Power Losses	
Efficiency	99 % (typ.)
Power loss P_V	0.84 W (stand-by) / 4.5 W (at 2 x 10 A)
Fuse Protection	
Internal fuse	15 AT per channel
General Specifications	
Standards/Approvals	UL 508 *, UL 2367 *, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)
Environmental Requirements	
Ambient operating temperature	-25 ... +70 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	No derating
Degree of pollution	2 (acc. to EN 50178)
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Overvoltage protection	Via 68 V suppressor diode at input
Feedback voltage	Max. 58 VDC
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)
Dimensions and Weight	
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Weight	170 g



Similar to pictured device



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 48 VDC,
2 ... 10 A adjustable, communication capability

Item No.	Pack. Unit
787-1662/000-200	1

EPSITRON® Electronic Circuit Breaker,
2-channel, input voltage: 48 VDC,
2 ... 10 A adjustable, potential-free signal contact
13/14

Item No.	Pack. Unit
787-1662/000-250	1

Potential-free signal contact 13 / 14 reports "channel switched off" and "tripped channel";
does not support communication via pulse sequence

Electrical Data

Remote input

Reactivation of all tripped channels via 15 ... 58 VDC pulse for min. 500 ms
Switching on/off any number of channels via pulse sequence

Reactivation of all tripped channels via 15 ... 58 VDC pulse for min. 500 ms

Signaling

Potential-free signal contact 13 / 14,
max. 58 VDC / 40 A AC, 100 mA

Electronic Circuit Breakers (ECB)

EPSITRON®

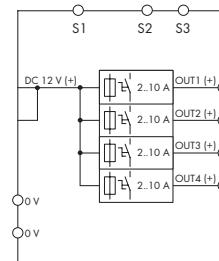
787 Series



Similar to pictured device

Features:

- Space-saving electronic circuit breaker with 4 channels
- 2 ... 10 A nominal current, adjustable for each channel via sealable selector switch
- Switch-on capacity > 50000 µF per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence
- Remote input resets all tripped channels or switches on/off any number of channels via pulse sequence



EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 12 VDC,
2 ... 10 A adjustable, communication capability

Item No.	Pack. Unit
787-1664/000-100	1

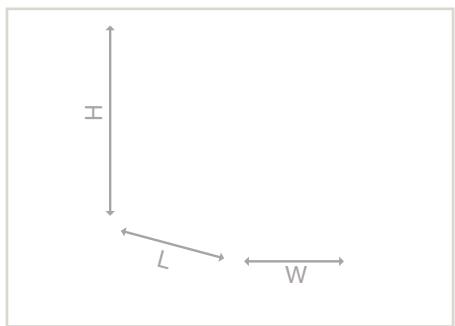
Technical Data

Input	Safety and Protection
Nominal input voltage $U_{i,nom}$	12 VDC
Input voltage range	10 ... 16 VDC
Output	
Nominal output voltage $U_{o,nom}$	4 x 12 VDC
Nominal current	Max. 4 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)
Voltage drop	200 mV at 10 A
Trip time	Load-dependent (16 ms ... 100 s)
Switch-on capacity	> 50,000 µF per channel
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Active current limitation	No
Operational indication	LED green (OK channel) LED red (tripped channel)
Signaling	4 x LED (green/red/orange) Reactivation of all tripped channels via 9 ... 30 VDC pulse for min. 500 ms. Switching on/off any number of channels via pulse sequence
Remote input	
Efficiency/Power Losses	
Efficiency	99 % (typ.)
Power loss P_V	0.53 W (stand-by) / 10 W (at 4 x 10 A)
Fuse Protection	
Internal fuse	15 AT per channel
General Specifications	
Standards/Approvals	UL 508*, UL 2367*, GL, EN 60950, EN 61000-6-2, EN 61000-6-3 (*pending)
Environmental Requirements	
Ambient operating temperature	-25 ... +70 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	≥ +50 °C: see instruction manual
Degree of pollution	2 (acc. to EN 50178)
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Oversupply protection	Via 33 V suppressor diode at input
Feedback voltage	Max. 35 VDC
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)
Dimensions and Weight	
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Weight	170 g

Electronic Circuit Breakers with Active Current Limitation

EPSITRON®

787 Series



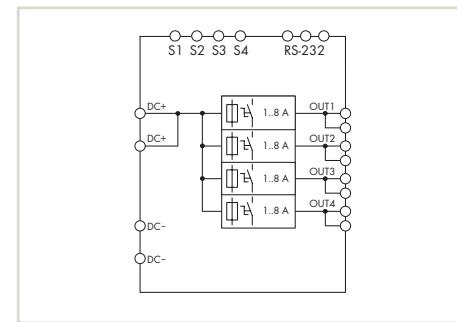
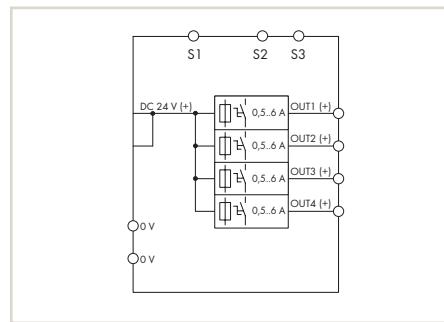
5

Features:

- Space-saving electronic circuit breaker with 4 channels
- 0.5 ... 6 A nominal current, adjustable for each channel via sealable selector switch
- Active current limitation
- High switch-on capacity per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics (787-1664/xxx-1xxx), alternatively with display and function buttons (787-861)
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence (only devices with communication capability)
- Remote input resets all tripped channels
- Remote input for switching on/off any number of channels via pulse sequence (only devices with communication capability, 787-1664/xxx-100x)
- Current and voltage monitoring via RS-232 interface and LCD (only 787-861)
- 4 active signal outputs for watchdog functions (only 787-861)

Technical Data

Input	24 VDC
Nominal input voltage $U_{i,nom}$	
Output	4 x 24 VDC
Nominal output voltage $U_{o,nom}$	Yes
Active current limitation	
Environmental Requirements	-25 ... +85 °C
Storage temperature	No derating
Derating	
Safety and Protection	500 VDC (terminals to enclosure)
Test voltage	III
Protection class	No
Reverse voltage protection	IP20 per EN 60529
Degree of protection	Via 33 V suppressor diode at input
Overshoot protection	Not permitted
Series connection of several devices	Not permitted
Parallel operation of single channels	
Connection and Type of Mounting	
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm² / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)



EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
0.5 ... 6 A adjustable, active current limitation,
communication capability

Item No.	Pack. Unit
787-1664/006-1000	1

EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
1 ... 8 A adjustable, active current limitation,
RS-232 interface

Item No.	Pack. Unit
787-861	1

Electrical Data

Input voltage range	18 ... 30 VDC	18 ... 30 VDC
Nominal current	Max. 4 x 6 ADC, (0.5, 1, 2, 3, 4, 6 A adjustable for each channel via selector switch)	4 x 1 ... 8 ADC (adjustable for each channel in 1 A steps)
Voltage drop	145 mV at 6 A	140 mV at 8 A
Trip time	Load-dependent (16 ms ... 5 s)	100 ms (100 ms ... 1.5 s; adjustable, depending on nominal current)
Switch-on capacity	> 65,000 µF per channel	20,000 µF (max.)
Switch-on behavior	Time-delayed channel switching (load-dependent min. 50 ms to 5 s)	Time-delayed channel switching (250 ms each)
Operational indication	LED green (OK channel) LED red (tripped channel)	LED green (all channels OK), LED yellow (warning), LED red (at least one channel has tripped)
Signaling	4 x LED (green/red/orange)	LCD, 4 x signal output 24 VDC, 25 mA via LCD and RS-232 serial interface
LineMonitor, parameter setting		
Remote input	Reactivation of all tripped channels via 15 ... 30 VDC pulse for min. 500 ms Switching on/off any number of channels via pulse sequence.	
Efficiency	99 % (typ.)	96 % (typ.)
Power loss P _v	0.77 W (stand-by) / 4.3 W (nominal load)	2 W (stand-by) / 8.2 W (nominal load)
Internal fuse	15 AT per channel	15 AT
Ambient operating temperature	-25 ... +70 °C	-25 ... +60 °C
Relative humidity	5 % ... 96 % (no condensation permissible)	5 % ... 96 % (no condensation permissible)
Feedback voltage	Max. 35 VDC	Max. 33 VDC
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 231 Series
Mechanical Data		
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail	40 x 171 x 163, Length from upper-edge of DIN-35 rail
Weight	170 g	800 g
General Specifications		
Standards/Approvals	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3	EN 60950, UL 508, EN 61000-6-2, EN 61000-6-3

Electronic Circuit Breakers with Active Current Limitation

EPSITRON®

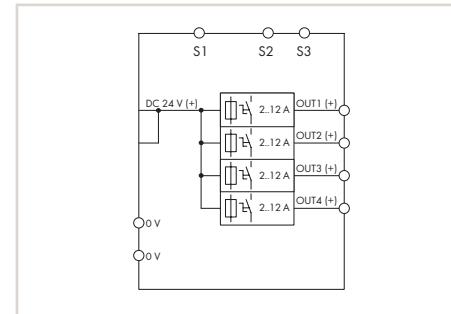
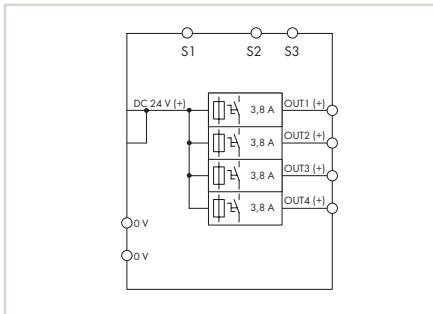
787 Series



Similar to pictured device



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC, 3.8 A,
active current limitation, NEC Class 2,
communication capability

	Item No.	Pack. Unit
	787-1664/004-1000	1

EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
2 ... 12 A adjustable, active current limitation,
communication capability

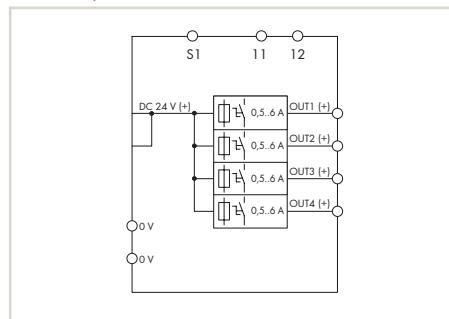
	Item No.	Pack. Unit
	787-1664/212-1000	1

Electrical Data

Input voltage range	20 ... 28.8 VDC	18 ... 30 VDC
Nominal current	4 x 3.8 ADC, NEC Class 2 (at 20 ... 24 VDC); 4 x 3.2 A, NEC Class 2 (at 28 VDC) fixed nominal current	4 x 12 ADC (max.), (2, 4, 6, 8, 10, 12 A adjustable for each channel via selector switch)
Voltage drop	150 mV at 3.8 A	240 mV at 12 A
Trip time	Load-dependent (16 ms ... 5 s)	Load-dependent (16 ms ... 5 s)
Switch-on capacity	> 65,000 µF per channel	> 65,000 µF per channel
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Operational indication	LED green (OK channel) LED red (tripped channel)	LED green (OK channel) LED red (tripped channel)
Signaling	4 x LED (green/red/orange)	4 x LED (green/red/orange)
LineMonitor, parameter setting		
Remote input	Reactivation of all tripped channels via 15 ... 30 VDC pulse for min. 500 ms Switching on/off any number of channels via pulse sequence.	Reactivation of all tripped channels via 15 ... 30 VDC pulse for min. 500 ms Switching on/off any number of channels via pulse sequence.
Efficiency	99 % (typ.)	99 % (typ.)
Power loss P _v	0.82 W (stand-by) / 3.1 W (at 4 x 3.8 A)	0.77 W (stand-by) / 12.3 W (at 4 x 12 A)
Internal fuse	None	15 AT per channel
Ambient operating temperature	-25 ... +70 °C	-25 ... +70 °C
Relative humidity	5 % ... 96 % (no condensation permissible)	5 % ... 96 % (no condensation permissible)
Feedback voltage	Max. 28.8 VDC	Max. 35 VDC
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Mechanical Data		
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Weight	170 g	170 g
General Specifications		
Standards/Approvals	UL 508, UL 2367, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)	UL 508, UL 2367, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
0.5 ... 6 A adjustable, active current limitation,
potential-free signal contact 11/12, specialty
configuration

	Item No.	Pack. Unit
	787-1664/006-1054	1

Potential-free signal contact 11 / 12 reports "channel switched off" and "tripped channel";
does not support communication via pulse sequence

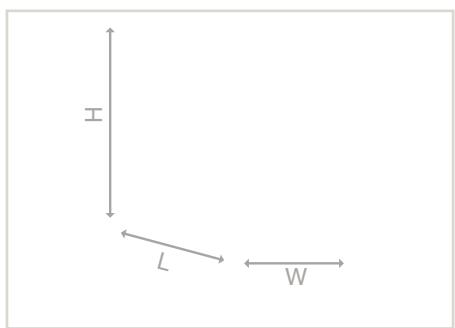
Electrical Data

Input voltage range	18 ... 30 VDC
Nominal current	Max. 4 x 6 ADC, (0.5, 1, 2, 3, 4, 6 A adjustable for each channel via selector switch)
Voltage drop	145 mV at 6 A
Trip time	Load-dependent (16 ms ... 5 s)
Switch-on capacity	> 58,000 µF per channel
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Operational indication	LED green (OK channel) LED red (tripped channel)
Signaling	4 x LED (green/red/orange) Potential-free signal contact 11 / 12, max. 58 VDC / 40 A AC, 100 mA
LineMonitor, parameter setting	Reactivation of all tripped channels via 15 ... 30 VDC pulse for min. 500 ms
Remote input	99 % (typ.)
Efficiency	0.77 W (stand-by) / 4.3 W (at 4 x 6 A)
Power loss P _V	15 AT per channel
Internal fuse	-25 ... +70 °C
Ambient operating temperature	5 % ... 96 % (no condensation permissible)
Relative humidity	Max. 35 VDC
Feedback voltage	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Connectors	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Mechanical Data	170 g
Dimensions (mm) W x H x L	UL 508, UL 2367, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)
Weight	
General Specifications	
Standards/Approvals	

Electronic Circuit Breakers without Active Current Limitation

EPSITRON®

787 Series



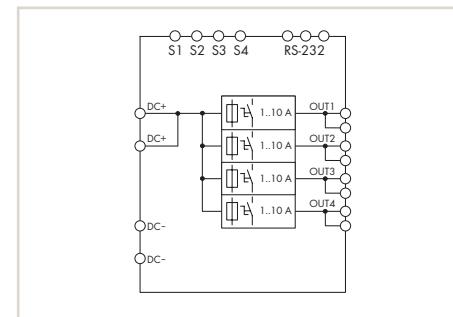
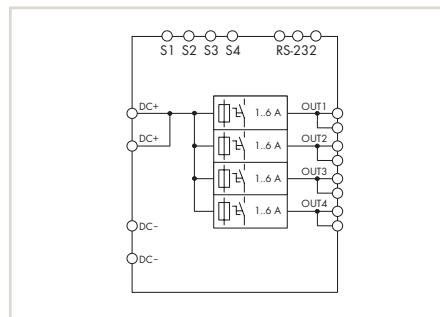
Technical Data

Input	
Nominal input voltage $U_{i,nom}$	24 VDC
Input voltage range	18 ... 30 VDC
Output	
Nominal output voltage $U_{o,nom}$	4 x 24 VDC
Active current limitation	No
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Overshoot protection	Via suppressor diode at input
Feedback voltage	Max. 33 VDC
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm² / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715) in 2 positions

5

Features:

- Electronic circuit breaker with 4 channels, parameterizable
- Time-delayed switching of channels
- Potential-free signal contact (only 787-860, -862, -1664/xxx-xx5x)
- Current and voltage monitoring via RS-232 interface and LCD (only 787-860, -862)
- 4 active signal outputs for watchdog functions (only 787-860, -862)
- Tripped message (group signal)
- Remote input resets all tripped channels
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics (787-1664/xxx-xxxx)
- Status message for each channel via pulse sequence (only devices with communication capability, 787-1664/xxx-xx0x)
- Remote input for switching on/off any number of channels via pulse sequence (only devices with communication capability, 787-1664/xxx-xx0x)



5

EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
1 ... 6 A adjustable, RS-232 interface

	Item No.	Pack. Unit
	787-860	1

EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
1 ... 10 A adjustable, RS-232 interface

	Item No.	Pack. Unit
	787-862	1

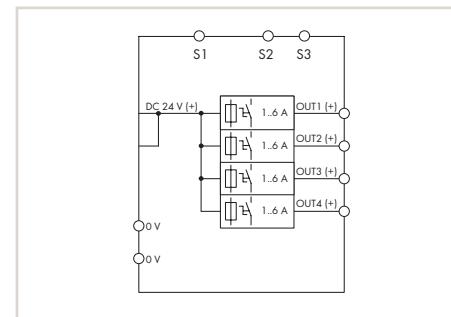
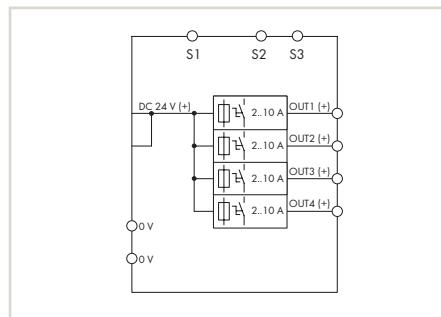
Electrical Data

Nominal current	4 x 1 ... 6 ADC (adjustable for each channel in 1 A steps)	4 x 1 ... 10 ADC (adjustable for each channel in 1 A steps)
Factory preset		
Uoltage drop	140 mV at 6 A	140 mV at 6 A; 240 mV at 10 A
Trip time	100 s (100 ms .. 600 s; adjustable)	100 s (100 ms .. 600 s; adjustable)
Switch-on capacity	20,000 µF (max.)	20,000 µF (max.)
Switch-on behavior	Time-delayed channel switching (250 ms each)	Time-delayed channel switching (250 ms each)
Operational indication	LED green (all channels OK), LED yellow (warning), LED red (at least one channel has tripped)	LED green (all channels OK), LED yellow (warning), LED red (at least one channel has tripped)
Signaling	LCD, 4 x 24 VDC signal output, 25 mA	LCD, 4 x 24 VDC signal output, 25 mA
Remote input	Reactivation of all tripped channels via 18 ... 30 VDC pulse for min. 50 ms	Reactivation of all tripped channels via 18 ... 30 VDC pulse for min. 50 ms
LineMonitor, parameter setting	via LCD and RS-232 serial interface	via LCD and RS-232 serial interface
Efficiency	96 % (typ.)	96 % (typ.)
Power loss P _V	2 W (stand-by) / 5.5 W (nominal load)	2 W (stand-by) / 12 W (nominal load)
Internal fuse	15 AT	15 AT
Ambient operating temperature	-10 ... +60 °C	-10 ... +60 °C
Storage temperature	-25 ... +85 °C	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)	5 % ... 96 % (no condensation permissible)
Derating		
Degree of pollution		
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 231 Series	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 231 Series
Mechanical Data		
Dimensions (mm) W x H x L	40 x 171 x 163, Length from upper-edge of DIN-35 rail	40 x 171 x 163, Length from upper-edge of DIN-35 rail
Weight	800 g	800 g
General Specifications		
Standards/Approvals	EN 60950, UL 508, EN 61000-6-2, EN 61000-6-3	EN 60950, UL 508, EN 61000-6-2, EN 61000-6-3

Electronic Circuit Breakers without Active Current Limitation

EPSITRON®

787 Series



**EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, communication capability**

	Item No.	Pack. Unit
	787-1664	1

**EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
1 ... 6 A adjustable, communication capability**

	Item No.	Pack. Unit
	787-1664/106-000	1

Electrical Data

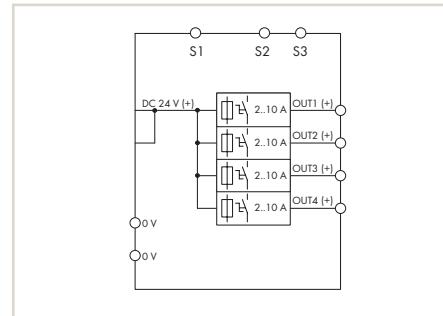
Nominal current	Max. 4 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)	Max. 4 x 6 ADC, (1, 2, 3, 4, 5, 6 A adjustable for each channel via selector switch)
Factory preset		
Voltage drop	200 mV at 10 A	120 mV at 6 A
Trip time	Load-dependent (16 ms ... 100 s)	Load-dependent (16 ms ... 100 s)
Switch-on capacity	> 50,000 µF per channel	> 50,000 µF per channel
Switch-on behavior	Time-delayed channel switching (load-dependent, min. 50 ms / max. 5 s)	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Operational indication	LED green (channel OK), LED red (trippped channel)	LED green (OK channel) LED red (tripped channel)
Signaling	4 x LED (green/red/orange)	4 x LED (green/red/orange)
Remote input	Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms Switching on/off any number of channels via pulse sequence.	Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms Switching on/off any number of channels via pulse sequence.
LineMonitor, parameter setting		
Efficiency	99 % (typ.)	99 % (typ.)
Power loss P _v	0.84 W (stand-by) / 10 W (at 4 x 10 A)	0.84 W (stand-by) / 4.2 W (at 4 x 6 A)
Internal fuse	15 AT per channel	15 AT per channel
Ambient operating temperature	-25 ... +70 °C	-25 ... +70 °C
Storage temperature	-25 ... +85 °C	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)	5 % ... 96 % (no condensation permissible)
Derating	≥ +50 °C: see instruction manual	No derating
Degree of pollution		
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Mechanical Data		
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Weight	170 g	170 g
General Specifications		
Standards/Approvals	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3



Similar to pictured device



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, communication capability,
specialty configuration

Item No.	Pack. Unit
787-1664/000-004	1

Group signal S3 reports "channel switched off" and
"tripped channel"

EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, potential-free signal contact
13/14, specialty configuration

Item No.	Pack. Unit
787-1664/000-054	1

Potential-free signal contact 13 / 14 reports "channel switched off" and "tripped channel";
does not support communication via pulse sequence

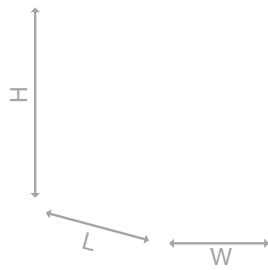
Electrical Data

Nominal current	Max. 4 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)	Max. 4 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)
Factory preset	2 ADC (when switched off)	2 ADC (when switched off)
Voltage drop	200 mV at 10 A	200 mV at 10 A
Trip time	Load-dependent (16 ms ... 100 s)	Load-dependent (16 ms ... 100 s)
Switch-on capacity	> 50,000 µF per channel	> 50,000 µF per channel
Switch-on behavior	Time-delayed channel switching (load-dependent, min. 50 ms / max. 5 s)	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Operational indication	LED green (channel OK), LED red (tripped channel)	LED green (OK channel) LED red (tripped channel)
Signaling	4 x LED (green/red/orange)	4 x LED (green/red/orange); Potential-free signal contact 13 / 14, max. 58 VDC / 40 A AC, 100 mA
Remote input	Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms Switching on/off any number of channels via pulse sequence.	Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms
LineMonitor, parameter setting		
Efficiency	99 % (typ.)	99 % (typ.)
Power loss P _v	0.84 W (stand-by) / 10 W (at 4 x 10 A)	0.84 W (stand-by) / 10 W (at 4 x 10 A)
Internal fuse	15 AT per channel	15 AT per channel
Ambient operating temperature	-25 ... +70 °C	-25 ... +70 °C
Storage temperature	-25 ... +85 °C	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)	5 % ... 96 % (no condensation permissible)
Derating	≥ +50 °C: see instruction manual	≥ +50 °C: see instruction manual
Degree of pollution	2 (acc. to EN 50178)	2 (acc. to EN 50178)
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Mechanical Data		
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Weight	170 g	170 g
General Specifications		
Standards/Approvals	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3	UL 508 *, UL 2367 *, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)

Electronic Circuit Breakers (ECB)

EPSITRON®

787 Series



5

Features:

- Space-saving electronic circuit breaker with 4 channels
- 2 ... 10 A nominal current, adjustable for each channel via sealable selector switch
- Switch-on capacity > 23000 µF per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence (only devices with communication capability)
- Remote input resets all tripped channels
- Remote input for switching on/off any number of channels via pulse sequence (only devices with communication capability)

Note: The pulse sequence only supports devices which are designated as having "communication capability"

Technical Data

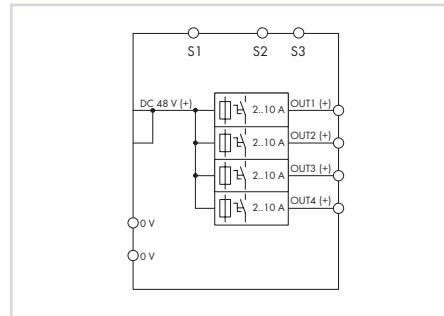
Input	
Nominal input voltage $U_{i,nom}$	48 VDC
Input voltage range	32 ... 58 VDC
Output	
Nominal output voltage $U_{o,nom}$	4 x 48 VDC
Nominal current	Max. 4 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)
Voltage drop	175 mV at 10 A
Trip time	Load-dependent (16 ms ... 100 s)
Switch-on capacity	> 23,000 µF per channel at 48 VDC, 2.5 mm² cable cross-section and 2.5 m cable length
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Active current limitation	No
Operational indication	LED green (OK channel) LED red (tripped channel)
Signaling	4 x LED (green/red/orange)
Efficiency/Power Losses	
Efficiency	99 % (typ.)
Power loss P_V	0.84 W (stand-by) / 8 W (at 4 x 10 A)
Fuse Protection	
Internal fuse	15 AT per channel
General Specifications	
Standards/Approvals	UL 508 *, UL 2367 *, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)
Environmental Requirements	
Ambient operating temperature	-25 ... +70 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	≥ +50 °C: see instruction manual
Degree of pollution	2 (acc. to EN 50178)
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Oversupply protection	Via 68 V suppressor diode at input
Feedback voltage	Max. 58 VDC
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)
Dimensions and Weight	
Dimensions (mm) W x H x L	45 x 90 x 115.5, Length from upper-edge of DIN-35 rail
Weight	170 g



Similar to pictured device



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 48 VDC,
2 ... 10 A adjustable, communication capability

Item No.	Pack. Unit
787-1664/000-200	1

EPSITRON® Electronic Circuit Breaker,
4-channel, input voltage: 48 VDC,
2 ... 10 A adjustable, potential-free signal contact
13/14

Item No.	Pack. Unit
787-1664/000-250	1

Potential-free signal contact 13 / 14 reports "channel switched off" and "tripped channel"; does not support communication via pulse sequence

Electrical Data	Reactivation of all tripped channels via 15 ... 58 VDC pulse for min. 500 ms Switching on/off any number of channels via pulse sequence.
Remote input	Reactivation of all tripped channels via 15 ... 58 VDC pulse for min. 500 ms Switching on/off any number of channels via pulse sequence.
Signaling	Potential-free signal contact 13 / 14, max. 58 VDC / 40 A AC, 100 mA

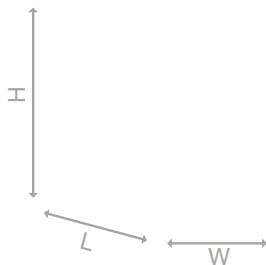
Reactivation of all tripped channels via 15 ... 58 VDC pulse for min. 500 ms

Potential-free signal contact 13 / 14, max. 58 VDC / 40 A AC, 100 mA

Electronic Circuit Breakers with Active Current Limitation

EPSITRON®

787 Series



5

Features:

- Space-saving electronic circuit breaker with 8 channels
- 0.5 ... 6 A nominal current, adjustable for each channel via sealable selector switch
- Active current limitation
- Switch-on capacity > 65000 µF per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence (only devices with communication capability)
- Remote input resets all tripped channels
- Remote input for switching on/off any number of channels via pulse sequence (only devices having communication capability)

Note: The pulse sequence only supports devices which are designated as having "communication capability"

Technical Data

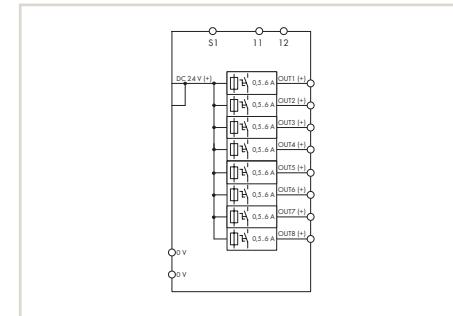
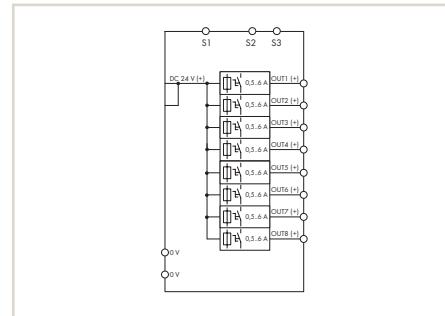
Input	
Nominal input voltage $U_{i,nom}$	24 VDC
Input voltage range	18 ... 30 VDC
Output	
Nominal output voltage $U_{o,nom}$	8 x 24 VDC
Nominal current	Max. 8 x 6 ADC, (0.5, 1, 2, 3, 4, 6 A adjustable for each channel via selector switch)
Voltage drop	155 mV at 6 A
Trip time	Load-dependent (16 ms ... 5 s)
Switch-on behavior	Time-delayed channel switching (load-dependent min. 50 ms to 5 s)
Active current limitation	Yes
Operational indication	LED green (OK channel) LED red (tripped channel)
Signaling	8 x LED (green/red/orange)
Efficiency/Power Losses	
Efficiency	99 % (typ.)
Fuse Protection	
Internal fuse	15 AT per channel
General Specifications	
Standards/Approvals	UL 508*, UL 2367*, GL, EN 60950, EN 61000-6-2, EN 61000-6-3 (*pending)
Environmental Requirements	
Ambient operating temperature	-25 ... +70 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	No derating
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Overshoot protection	Via 33 V suppressor diode at input
Feedback voltage	Max. 35 VDC
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm² / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)
Dimensions and Weight	
Dimensions (mm) W x H x L	42 x 127 x 142.5, Length from upper-edge of DIN-35 rail
Weight	440 g



Similar to pictured device



Similar to pictured device



5

EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 24 VDC,
0.5 ... 6 A adjustable, active current limitation,
communication capability

Item No.	Pack. Unit
787-1668/006-1000	1

EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 24 VDC,
0.5 ... 6 A adjustable, active current limitation,
potential-free signal contact 11/12,
specialty configuration

Item No.	Pack. Unit
787-1668/006-1054	1

Potential-free signal contact 11 / 12 reports "channel switched off" and "tripped channel";
does not support communication via pulse sequence

Electrical Data

Factory preset	> 65,000 µF per channel
Switch-on capacity	Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms Switching on/off any number of channels via pulse sequence.
Remote input	Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms
Power loss P _v	8.6 W (nominal load)
Degree of pollution	1.15 W (stand-by) / 8.6 W (at 8 x 6 A) 2 (acc. to EN 50178)
Signaling	Potential-free signal contact 11 / 12, max 58 VDC / 40 A AC, 100 mA

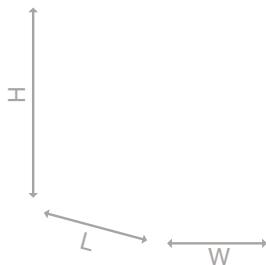
0.5 ADC (when switched off)
> 58,000 µF per channel

Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms
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Electronic Circuit Breakers without Active Current Limitation

EPSITRON®

787 Series



5

Features:

- Space-saving electronic circuit breaker with 8 channels
- 1 ... 6 A nominal current, adjustable for each channel via sealable selector switch
- Switch-on capacity > 50000 µF per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence (only devices with communication capability)
- Remote input resets all tripped channels
- Remote input for switching on/off any number of channels via pulse sequence (only devices having communication capability)

Note: The pulse sequence only supports devices which are designated as having "communication capability"

Technical Data

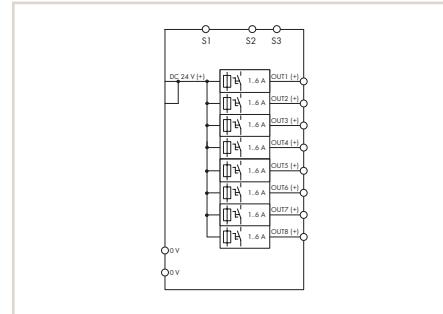
Input	
Nominal input voltage $U_{i,nom}$	24 VDC
Input voltage range	18 ... 30 VDC
Output	
Nominal output voltage $U_{o,nom}$	8 x 24 VDC
Switch-on capacity	> 50,000 µF per channel
Active current limitation	No
Operational indication	LED green (OK channel), LED red (tripped channel)
Signaling	8 x LED (green/red/orange)
Remote input	Reactivation of all tripped channels via pulse sequence, 15 ... 30 VDC for min. 500 ms Switching on/off any number of channels via pulse sequence
Efficiency/Power Losses	
Efficiency	99 % (typ.)
Fuse Protection	
Internal fuse	15 AT per channel
Environmental Requirements	
Ambient operating temperature	-25 ... +70 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Oversupply protection	Via 33 V suppressor diode at input
Feedback voltage	Max. 35 VDC
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm² / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)
Dimensions and Weight	
Dimensions (mm) W x H x L	42 x 127 x 142.5, Length from upper-edge of DIN-35 rail



Similar to pictured device



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 24 VDC,
1 ... 6 A adjustable, communication capability

	Item No.	Pack. Unit
	787-1668/106-000	1

EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, communication capability

	Item No.	Pack. Unit
	787-1668	1

Electrical Data

Nominal current	Max. 8 x 6 ADC, (1, 2, 3, 4, 5, 6 A adjustable for each channel via selector switch)
Factory preset	
Voltage drop	120 mV at 6 A
Trip time	Load-dependent (16 ms ... 100 s)
Switch-on behavior	Time-delayed channel switching (load-dependent min. 50 ms to 5 s)
Power loss P _v	8 W (nominal load)
Derating	No derating
Mechanical Data	
Weight	440 g
General Specifications	
Standards/Approvals	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3

Max. 8 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)

Max. 8 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)

120 mV at 6 A

200 mV at 10 A

Load-dependent (16 ms ... 100 s)

Load-dependent (16 ms ... 100 s)

Time-delayed channel switching (load-dependent min. 50 ms to 5 s)

Time-delayed channel switching (load-dependent min. 50 ms to 5 s)

8 W (nominal load)

1.3 W (stand-by) / 20 W (nominal load)

No derating

≥ +50 °C: see instruction manual

440 g

440 g

UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3

UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3

Electronic Circuit Breakers (ECB)

EPSITRON®

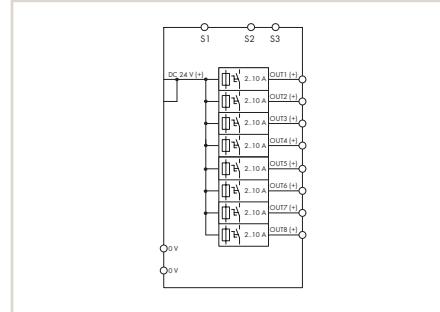
787 Series



Similar to pictured device



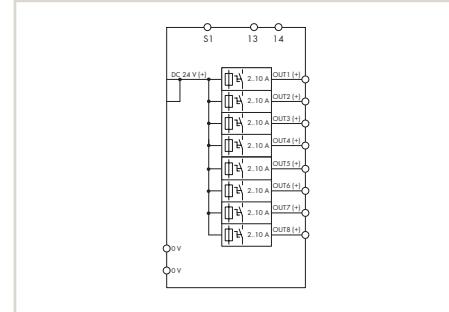
Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, communication capability,
specialty configuration

Item No.	Pack. Unit
787-1668/000-004	1

Group signal S3 reports "channel switched off" and
"tripped channel"



EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 24 VDC,
2 ... 10 A adjustable, potential-free signal contact
13/14, specialty configuration

Item No.	Pack. Unit
787-1668/000-054	1

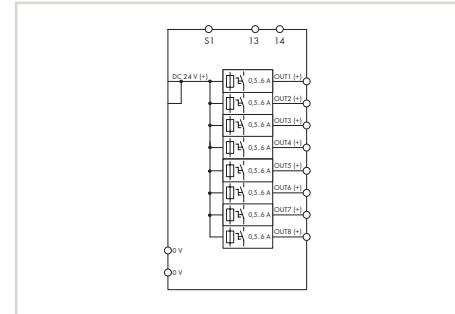
Potential-free signal contact 13 / 14 reports "channel switched off" and "tripped channel";
does not support communication via pulse sequence

Electrical Data

Nominal current	Max. 8 x 10 ADC, (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)
Factory preset	2 ADC (when switched off)
Uoltage drop	200 mV at 10 A
Trip time	Load-dependent (16 ms ... 100 s)
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Power loss Pv	1.3 W (stand-by) / 20 W (nominal load)
Derating	≥ +50 °C: see instruction manual
Signaling	
Mechanical Data	
Weight	420 g
General Specifications	
Standards/Approvals	UL 508, UL 2367, GL, EN 60950, EN 61000-6-2, EN 61000-6-3
	UL 508 *, UL 2367 *, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 24 VDC,
0.5 ... 6 A adjustable, potential-free signal contact
13/14

	Item No.	Pack. Unit
	787-1668/106-054	1

Potential-free signal contact 13 / 14 reports "channel switched off" and "tripped channel";
does not support communication via pulse sequence

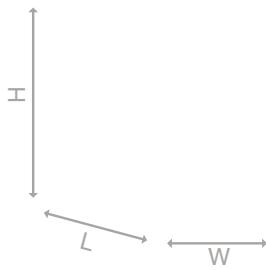
Electrical Data

Nominal current	Max. 8 x 6 ADC, (0.5, 1, 2, 3, 4, 6 A adjustable for each channel via selector switch)
Factory preset	0.5 ADC (when switched off)
Voltage drop	120 mV at 6 A
Trip time	Load-dependent (16 ms ... 100 s)
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Power loss P _v	0.84 W (stand-by) / 8 W (at 8 x 6 A)
Derating	No derating
Signaling	Potential-free signal contact 13 / 14, max. 58 VDC / 40 A AC, 100 mA
Mechanical Data	
Weight	440 g
General Specifications	
Standards/Approvals	UL 508 *, UL 2367 *, GL *, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)

Electronic Circuit Breakers (ECB)

EPSITRON®

787 Series



Features:

- Space-saving electronic circuit breaker with 8 channels
 - 2 ... 10 A nominal current, adjustable for each channel via sealable selector switch
 - Switch-on capacity > 23000 µF per channel
 - One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
 - Time-delayed switching of channels
 - Tripped message (group signal)
 - Status message for each channel via pulse sequence (only devices with communication capability)
 - Remote input for switching on/off any number of channels via pulse sequence (only devices having communication capability)
- Note: The pulse sequence only supports devices which are designated as having "communication capability"

Technical Data

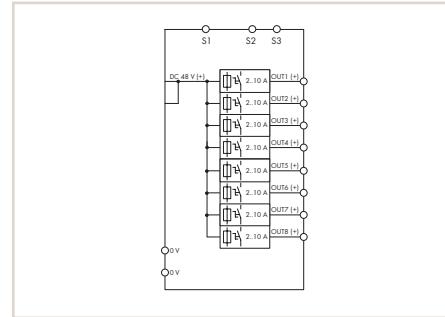
Input	
Nominal input voltage $U_{i\text{nom}}$	48 VDC
Input voltage range	32 ... 58 VDC
Output	
Nominal output voltage $U_{o\text{nom}}$	8 x 48 VDC
Nominal current	Max. 10 ADC per channel; max. 70 ADC in total (2, 3, 4, 6, 8, 10 A adjustable for each channel via selector switch)
Voltage drop	200 mV at 10 A
Trip time	Load-dependent (16 ms ... 100 s)
Switch-on capacity	> 23,000 µF per channel at 48 VDC, 2.5 mm² cable cross-section and 2.5 m cable length
Switch-on behavior	Time-delayed switching of channels (load-dependent min. 50 ms to 5 s)
Active current limitation	No
Operational indication	LED green (OK channel), LED red (tripped channel)
Signaling	8 x LED (green/red/orange)
Efficiency/Power Losses	
Efficiency	99 % (typ.)
Power loss P_V	1.3 W (stand-by) / 20 W (at 8 x 10 A)
Fuse Protection	
Internal fuse	15 AT per channel
General Specifications	
Standards/Approvals	UL 508*, UL 2367*, GL*, EN 60950, EN 61000-6-2, EN 61000-6-3 (*pending)
Environmental Requirements	
Ambient operating temperature	-25 ... +70 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	≥ +50 °C: see instruction manual
Degree of pollution	2 (acc. to EN 50178)
Safety and Protection	
Test voltage	500 VDC (terminals to enclosure)
Protection class	III
Reverse voltage protection	No
Degree of protection	IP20 per EN 60529
Oversupply protection	Via 68 V suppressor diode at input
Feedback voltage	Max. 58 VDC
Series connection of several devices	Not permitted
Parallel operation of single channels	Not permitted
Connection and Type of Mounting	
Connectors	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Conductor range	Input (+): 0.5 ... 10 mm² / 20 ... 8 AWG Input (-), output, signaling: 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	Input (+): 13 ... 15 mm / 0.51 ... 0.59 inch Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 inch
Type of mounting	DIN-rail mounting (EN 60715)
Dimensions and Weight	
Dimensions (mm) W x H x L	42 x 127 x 142.5, Length from upper-edge of DIN-35 rail
Weight	440 g



Similar to pictured device



Similar to pictured device



EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 48 VDC,
2 ... 10 A adjustable, communication capability

Item No.	Pack. Unit
787-1668/000-200	1

EPSITRON® Electronic Circuit Breaker,
8-channel, input voltage: 48 VDC,
2 ... 10 A adjustable, potential-free signal contact
13/14

Item No.	Pack. Unit
787-1668/000-250	1

Potential-free signal contact 13 / 14 reports "channel switched off" and "tripped channel"; does not support communication via pulse sequence

Electrical Data

Remote input

Reactivation of all tripped channels via 15 ... 58 VDC pulse for min. 500 ms
Switching on/off any number of channels via pulse sequence.

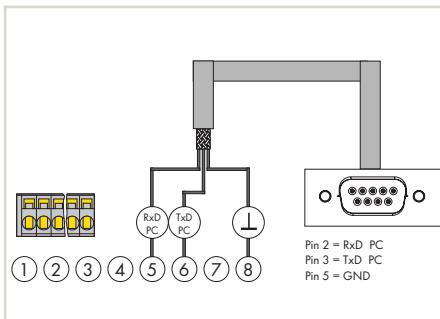
Signaling

Reactivation of all tripped channels via 15 ... 58 VDC pulse for min. 500 ms

Potential-free signal contact 13 / 14,
max. 58 VDC / 40 A AC, 100 mA

Accessories

EPSITRON® Communication Cable with an RS-232 Interface 787 Series



Similar to pictured device

The communication cables are used for configuration and visualization via PC or controller. The communication cables are suitable for 787-1675 or all 787-8xx Series devices equipped with an RS-232 serial interface. Download the corresponding PC software for all 787 Series devices at www.wago.com/epsitron.

Function blocks for communication with the WAGO-I/O-SYSTEM 750 and other control systems are also available.

Note:

The 787-890 or 787-892 Communication Cables are not electrically isolated.

5

Wiring diagram shows 787-890

Technical Data

Type of signal

Serial Signal (RS-232)

1 x 8-pole 733-108 Female Connector with strain relief (module side, 787-890, 787-8xx), or 1 x 4-pole 734-104 Female Connector with strain relief (787-892 module side, 787-1675),
1 x 9-pole D-sub female connector (PC/controller side)

No

3 x 0.34 mm² (AWG 22), shielded

-10 ... +70 °C

IP20

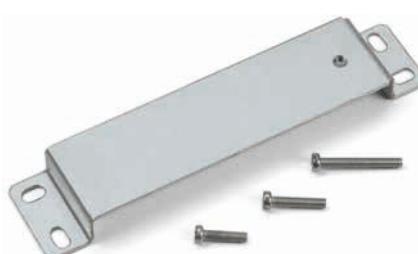
1.8 m

Communication cable with an RS-232 interface		
for	Item No.	Pack. Unit
787-8xx	787-890	1
787-1675	787-892	1

Accessories

EPSITRON® Wall-Mount Adapter/Carrier Rail Adapters 787 Series

EPSITRON® Wall-Mount Adapter



The 787-895 Wall-Mount Adapter secures 787-8xx devices on mounting plate or wall without DIN-35 rail. This adapter replaces the rail support of the 787-8xx device. The adapter is secured to the 787-8xx device via provided screws.

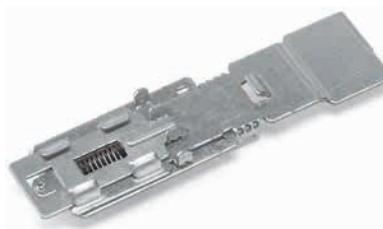
Wall-mount adapter, secures 787-8xx devices on a mounting plate or wall, without DIN-35 rail

Item No.	Pack. Unit
787-895	5

Technical Data

Material	Galvanized sheet steel
Dimensions (mm) W x H x L	35 x 15 x 158.5
Fixing	Mounting holes: 4 slots, 5.3 mm x 9 mm Mounting hole spacing: 143 mm x 19.5 mm
Included	Wall-mount adapter 1x screw M4 x 16 1x screw M4 x 20 1x screw M4 x 30

EPSITRON® Carrier Rail Adapters



Carrier rail adapter for mounting 787-8xx devices to a DIN-35 rail. The 787-896 Carrier Rail Adapter allows both the vertical and horizontal mounting of 787-8xx devices. Mounting the adapter to the device is performed by sliding both single parts into the guide slots of the cooling element and then screwing; this allows the position to be easily changed.

Carrier rail adapter made of zinc die-cast for mounting 787-8xx devices to a DIN-35 rail. The 787-897 Carrier Rail Adapter allows horizontal mounting of 787-8xx devices. Mounting the adapter to the device is performed by sliding both single parts into the guide slots of the cooling element and then screwing; this allows the position to be easily changed. this allows the position to be easily changed.

Carrier rail adapter, for mounting 787-8xx devices to a DIN-35 rail

Item No.	Pack. Unit
787-896	1

Carrier rail adapter, Zinc die-cast, for mounting 787-8xx devices to a DIN-35 rail

Item No.	Pack. Unit
787-897	1

Technical Data

Material	Galvanized sheet steel
Dimensions (mm) W x H x L	35 x 136.5 x 15.5
Mounting	By sliding both single parts into the guide slot and then screwing
Included	Carrier rail adapter Assembly instructions

Zinc die-cast
37 x 102.5 x 10.5
By pressing the adapter into the guide slot
Carrier rail adapter Assembly instructions