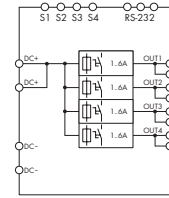


# Electronic Circuit Breaker

## EPSITRON®



- Electronic circuit breaker with 4 channels, parametrizable
- Time-delayed switching of channels
- Floating switch contact
- Current and voltage monitoring via RS-232 interface and LCD
- Watchdog functions with active signal ports

Technical Data	
<b>Input:</b>	
Nominal input voltage $V_i$ nom	24 V DC
Input voltage range	18 ... 30 V DC
<b>Output:</b>	
Nominal output voltage $V_o$ nom	4 x 24 V DC
Nominal current	4 x 1 ... 6 A DC (adjustable for each channel in 1 A steps)
Voltage drop	140 mV at 6 A
Trip time	100 s (100 ms .. 600 s; adjustable)
Switch-on capacity	max. 20,000 $\mu$ F
Switch-on behavior	time-delayed channel switching (250 ms each)
Active current limitation	no
Operational indication	LED green (all channels o.k.), LED yellow (warning), LED red (at least one channel has tripped)
Signaling	LCD, 4 x signal output 24 V DC, 25 mA and 1 x floating relay contact 30 V DC, 1 A
Remote input	Reactivation of all tripped channels via 18 V ... 30 V DC impulse for min. 50 ms via LCD and RS-232 serial interface
LineMonitor, parameter setting	
<b>Efficiency / power losses:</b>	
Efficiency	96 % typ.
Power loss $P_v$	2 W (stand-by) / 5.5 W (rated load)
<b>Fuse protection:</b>	
Internal fuse	6.3 AT

Description	Item No.	Pack. Unit
Electronic Circuit Breaker, 24 VDC / 4 x 6 A	787-860	1
Technical Data		
<b>Environmental requirements:</b>		
Ambient operating temperature	-10 °C ... +60 °C	
Storage temperature	-25 °C ... +85 °C	
Rel. humidity	30 % ... 85 % (no condensation)	
<b>Safety and protection:</b>		
Test voltage	500 V DC (terminals to enclosure)	
Protection class	III	
Reverse voltage protection	no	
Degree of protection	IP20 acc. to EN 60529	
Overload 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	
<b>Connection and type of mounting:</b>		
Wire connection	Input: WAGO 831 Series Output: WAGO 231 Series	
Cross sections	Input: 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> / AWG 20 ... 8 Output: 0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 12	
Strip lengths	Input: 13 ... 15 mm / 0.55 in Output: 8 ... 9 mm / 0.33 in	
Type of mounting	DIN-rail mounting (EN 60715) in 2 positions	
<b>Dimensions and weight:</b>		
Dimensions (mm) W x H x L	40 x 171 x 163 Height from upper-edge of DIN 35 rail	
Weight	800 g	
<b>Standards and approvals:</b>		
Standards/Specifications	EN 60950, UL 508, EN 61000-6-2, EN 61000-6-3	