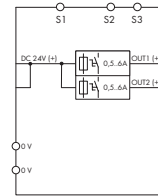


# Electronic Circuit Breaker

## EPSITRON®



- 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 bi-color 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 tripped channels or switches on/off any number of channels via pulse sequence

Description	Item No.	Pack. Unit
Electronic circuit breaker, 24 VDC / 2 x 6 A	787-1662/006-1000	1

Technical Data	
<b>Input:</b>	
Nominal input voltage $V_{i\text{nom}}$	24 VDC
Input voltage range	18 ... 30 VDC
<b>Output:</b>	
Nominal output voltage $V_{o\text{nom}}$	2 x 24 VDC
Nominal current	max. 2 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 ... 100 s)
Switch-on capacity	> 65,000 µF per channel
Switch-on behavior	Time-delayed channel switching (load-dependent, min. 50 ms / max. 5 s)
Operational indication	Green LED (O.K. channel), Red LED (tripped channel)
Signaling	2 x LED (green/red/orange)
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.
<b>Efficiency/Power losses:</b>	
Efficiency	99 % typ.
Power loss $P_V$	2.5 W (nominal load)
<b>Fuse protection:</b>	
Internal fuse	15 AT per channel

Technical Data	
<b>Environmental requirements:</b>	
Ambient operating temperature	-25 °C ... +70 °C
Storage temperature	-25 °C ... +85 °C
Rel. humidity	30% ... 85% (no condensation permissible)
Derating	no derating
<b>Safety and protection:</b>	
Test voltage	500 VDC (connectors to housing)
Protection class	III
Reverse voltage protection	no
Degree of protection	IP20 (acc. to 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
<b>Connection and type of mounting:</b>	
Wire connection	Input (+): WAGO 831 Series Input (-), output, signaling: WAGO 721 Series
Cross sections	Input (+): 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> / AWG 20 ... 8 Input (-), output, signaling: 0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 12
Strip lengths	Input (+): 13 ... 15 mm / 0.55 in Input (-), output, signaling: 8 ... 9 mm / 0.33 in
Type of mounting	DIN-rail mount (EN 60715)
<b>Dimensions and weight:</b>	
Dimensions (mm) W x H x L	45 x 90 x 115.5 Length from upper-edge of DIN 35 rail
Weight	170 g
<b>Standards and approvals:</b>	
Standards/Specifications	UL 508*, UL 2367*, GL, EN 60950, EN 61000-6-2, EN 61000-6-3 (* pending)