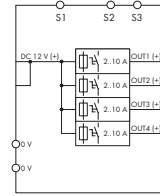


Electronic Circuit Breaker

EPSITRON®



Similar to pictured device



- 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 μ F 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 tripped channels or switches on/off any number of channels via pulse sequence

Technical Data

Input:	
Nominal input voltage $V_{i\text{nom}}$	12 VDC
Input voltage range	10 ... 16 VDC
Output:	
Nominal output voltage $V_{o\text{nom}}$	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 μ F per channel
Switch-on behavior	Time-delayed channel switching (load-dependent, min. 50 ms / max. 5 s)
Active current limitation	No
Operational indication	Green LED (OK channel), Red LED (tripped channel)
Signaling	4 x LED (green/red/orange)
Remote input	Resetting of tripped channel via 9 ... 30 VDC pulse for at least 500 ms. Switching on/off any number of channels via pulse sequence
Efficiency/Power losses:	
Efficiency	99 % typ.
Power loss P_V	0.53 W (no load) / 10 W (at 4 x 10 A)
Fuse protection:	
Internal fuse	15 AT per channel

Description

Electronic circuit breaker,
12 VDC / 4 x 10 A

Item No.

787-1664/000-100

Pack. Unit

1

Technical Data

Environmental requirements:

Ambient operating temperature	-25 °C ... +70 °C
Storage temperature	-25 °C ... +85 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	\geq +50 °C: see instruction manual
Degree of pollution	2 (acc. to EN 50178)

Safety and protection:

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

Connection and mounting type:

Wire connection	Input (+): WAGO 831 Series
	Input (-), output, signaling: WAGO 721 Series
Cross sections	Input (+): 0.5 ... 10 mm ² / 20 ... 8 AWG
	Input (-), output, signaling: 0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip lengths	Input (+): 13 ... 15 mm / 0.51 ... 0.59 in
	Input (-), output, signaling: 8 ... 9 mm / 0.31 ... 0.35 in
Mounting type	DIN-rail-mount (EN 60715)

Dimensions and weight:

Dimensions (mm) W x H x L	45 x 90 x 115.5
	Length from upper-edge of DIN-rail
Weight	170 g

Standards and specifications:

Standards/specifications	UL 508*, UL 2367*, GL*, EN 60950, EN 61000-6-2, EN 61000-6-3 (*pending)
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