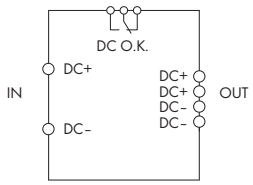
EPSITRON® - Capacitive Buffer Modules

Similiar to picture



- Capacitive buffer module bridges short duration voltage drops
- For uninterruptible power supply
- Potential-free contact for charge condition monitoring

Description	Item No.	Pack. Unit
Capacitive buffer modules, for DIN 35 rail	**787-881**	1

Technical Data

Input:	
Nominal input voltage Vi nom	24 V DC
Input voltage range	20 V ... 30 V DC
Input current Ii	60 mA (no-load running); 1 A (charging); 22 A (max.)
Switch-on threshold (adjustable)	20 V ... 24 V DC
Output:	
Nominal output voltage Vo nom	24 V DC
Output voltage range	Vi - 1 V DC (below switch-on threshold); 20.4 V ... 24 V DC (during buffer operation)
Output current Io	20 A
Current limitation	electronic, typ. 22 A
Buffer time	0.17 s ... 16.5 s (depends on load current and switch-on threshold)
Charging time	typ. 5 minutes
Operational indication	LED green (Va > 20 V), LED yellow (charging), LED red (Va < 20 V)
Signaling	1 x floating relay contact 30 V DC, 1 A
Efficiency / power losses:	
Power loss P_V	1.5 W open circuit 15 W nominal load

Technical Data

Environmental requirements:	
Ambient operating temperature	-10 °C ... +50°C
Storage temperature	-10 °C ... +60 °C
Service life	typ. 87.600 h (at 25 °C ambient operating temperature); typ. 30.500 h (at 40 °C ambient operating temperature)
Rel. humidity	30 % ... 85 % (no condensation)
Safety and protection:	
Test voltage	500 V DC (terminals to enclosure)
Protection class	III
Reverse voltage protection	yes
Degree of protection	IP20 acc. to EN 60529
Feedback voltage	max. 35 VDC
Parallel operation	yes
Connection and type of mounting:	
Wire connection	Input/Output: WAGO 831 Series Relay: WAGO 231 Series
Cross sections	Input/Output: 0.5 mm² ... 10 mm² / AWG 20 ... 8 Relay: 0.08 mm² ... 2.5 mm² / AWG 28 ... 12
Strip lengths	Input/Output: 13 ... 15 mm / 0.55 in Relay: 8 ... 9 mm / 0.33 in
Type of mounting	DIN-rail mounting (EN 60715) in 2 positions
Dimensions and weight:	
Dimensions (mm) W x H x L	57 x 179 x 181 Height from upper-edge of DIN 35 rail
Weight	1000 g
Standards and approvals:	
Standards/Specifications	EN 60950, UL 508, EN 61000-6-2, EN 61000-6-3