



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

Technical Data	
<b>Input:</b>	
Nominal input voltage $V_i$ nom	24 V DC
Input voltage range	20 V ... 30 V DC
Input current $I_i$	60 mA (no-load running); 1 A (charging); 11 A (max.)
Switch-on threshold (adjustable)	20 V ... 24 V DC
<b>Output:</b>	
Nominal output voltage $V_o$ nom	24 V DC
Output voltage range	$V_i - 0.5$ V DC (below switch-on threshold); 20.4 V ... 24 V DC (during buffer operation)
Output current $I_o$	10 A
Current limitation	electronic, typ. 11 A
Buffer time	0.06 s ... 7.2 s (depends on load current and switch-on threshold)
Charging time	typ. 5 minutes
Operational indication	LED green ( $V_a > 20$ V), LED yellow (charging), LED red ( $V_a < 20$ V)
Signaling	1 x floating relay contact 30 V DC, 1 A
<b>Efficiency / power losses:</b>	
Power loss $P_v$	1.5 W open circuit 6.5 W nominal load

Description	Item No.	Pack. Unit
Capacitive buffer modules, for DIN 35 rail	787-880	1
Technical Data		
<b>Environmental requirements:</b>		
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)	
<b>Safety and protection:</b>		
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	
<b>Connection and type of mounting:</b>		
Wire connection	Input/Output: WAGO 231 Series Relay: WAGO 231 Series	
Cross sections	Input/Output: 0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 12 Relay: 0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 12	
Strip lengths	Input/Output: 8 ... 9 mm / 0.33 in Relay: 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	57 x 179 x 163 Height from upper-edge of DIN 35 rail	
Weight	1000 g	
<b>Standards and approvals:</b>		
Standards/Specifications	EN 60950, UL 508, EN 61000-6-2, EN 61000-6-3	