Buffer module **PVUC**





Standards

Maintenance-free buffer module to UL 508

Safety: EN 60950, EN 60950 (SELV), EN 60204 (PELV)

EMC: EN 61000-6-3 (Interference emissions), EN 61000-6-2 (Interference immunity)

General Data

Input rated voltage 24 Vdc
Output rated voltage 24 Vdc
Output rated current 10 - 20 A
Ambient temperature -10° C to +60° C
Efficiency typ. 97 %
Protection index IP 20

Advantages

Electronic overcurrent and short circuit protection		
Reverse polarity protection		
Configurable switch-in threshold		
3 LEDs for signalling purposes		
Isolated signal contact		
Service-friendly spring-loaded connector system		
Parallel connection option		
Decoupled output		
Panel installation on mounting rails		

Applications

 $\ensuremath{\mathsf{Maintenance-free}}$ buffer module to secure the power supply during short power interruptions.

Sample application



Approvals



UL 508 (E219022)



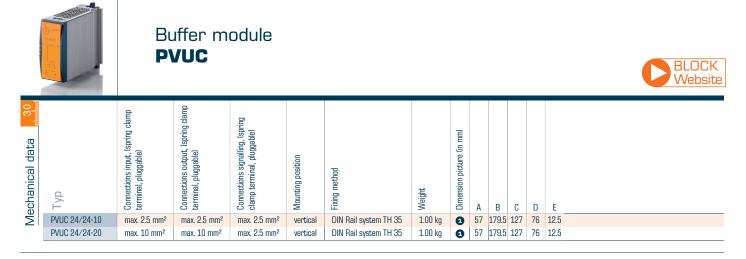
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Buffer module **PVUC**

Гур	PVUC 24/24-10	PVUC 24/24-20	
nput			
nput rated voltage	24 Vdc	24 Vdc	
nput voltage range	20 - 30 Vdc	20 - 30 Vdc	
Current input (idle/charging/max.)	60 mA / 1 A / 11 A	60 mA / 1 A / 22 A	
Switching threshold for buffer mode	20 - 24 Vdc	21 - 24 Vdc	
Output	20 2.100		
Dutput rated voltage	24 Vdc	24 Vdc	
Dutput voltage normal operation	typ. Uin - 0.5 Vdc (10 A)	typ. Uin - 1 Vdc (20 A)	
Dutput rated voltage, battery mode	20 - 24 Vdc (adjustable)	20 - 24 Vdc (adjustable)	
Resistance to reverse feed max.	35 Vdc	35 Vdc	
Dutput rated current	10.00 A	20.00 A	
Buffer period	0.4 s (10 A) / 6.3 s (1 A)	0.4 s (20 A) / 15.5 s (1 A)	
Charging time	typ. 5 minutes	typ. 5 minutes	
nternal fuse	No	No	
Overload behaviour	Constant current (typ. 11 A)	Constant current (typ. 22 A)	
Parallel connection	Yes	Yes	
Serial operation	No	No	
nax. Power loss idling/nominal load	1.5 / 6.5 W	1.5 / 15 W	
Efficiency	typ. 97 %	typ. 97 %	
Storage medium			
Type of the storage medium	Capacitors, internal	Capacitors, internal	
Signaling			
Dperating status	LED green, LED red, LED yellow	LED green, LED red, LED yellow	
Potential free signal contact	Changeover contact	Changeover contact	
Active signal outputs	No	No	
Display, interface	No	No	
Approvals			
Approvals	cULus	cULus	
Environment	00200	00120	
Ambient temperature	-10° C to +60° C	-10° C to +60° C	
Storage temperature	-25° C to +85° C	-25° C to +85° C	
Safety and protection	10.00	10.00	
Protection index	IP 20	IP 20	
Safety class	III, without PE connection	III, without PE connection	
Reverse connection protection	Yes	Yes	
Accessory			
Side DIN Rail mounting	PV-TS35M (optional)	PV-TS35M (optional)	
Direct screw fastening plate or lateral mounting	PV-WB2 (optional)	PV-WB2 (optional)	

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Dimension pictures

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