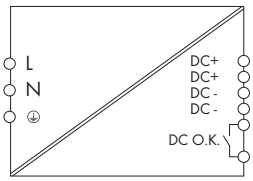
787-1632

Switched-Mode Power Supply, 1-Phase

***EPSITRON*® CLASSIC Power**

Similiar to picture



- Primary switch mode power supply unit
- Suitable for protection class I equipment
- Natural convection cooling when horizontally mounted
- Enclosed for use in switchgear cabinets
- Integrated TopBoost, enabling secondary-side protection via wire breakers
- DC OK contact
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) acc. to EN 60950-1/UL 60950-1

Description	Item No.	Pack. Unit
Switched-mode power supply, 24 VDC / 10 A	**787-1632**	1

Technical Data

Input:	
Nominal input voltage $V_{i\,nom}$	100 ... 240 VAC
Input voltage range	85 ... 264 VAC; 120 V ... 372 VDC
Input voltage derating	-2.5 % (< 100 VAC)
Frequency	47 Hz ... 63 Hz; 0 Hz
Input current I_i	1.25 A (240 VAC);
	2.74 A (100 VAC)
Discharge current	< 1 mA
Inrush current	< 30 A
Mains failure hold-up time	17 ms (230 VAC);
	15 ms (100 VAC)
Output:	
Nominal output voltage $V_{o\,nom}$	24 VDC (SELV)
Output voltage range	23 ... 28.5 VDC adjustable
Output current I_o	10 A at 24 VDC
Factory preset	24 VDC
Adjustment accuracy	< 1 %
Residual ripple	50 mV (peak-to-peak) typ.
Current limitation	1.1 x I_o typ.
Overload behavior	Constant current
Operational indication	Green LED (V_o)
Signaling	DC O.K. contact;
	(Make contact, max. 30 V AC/DC, 1 A)
Efficiency/Power losses:	
Efficiency	91 % typ.
Power loss P_V	6.6 W (230 VAC, no load);
	24.4 W (230 VAC, nominal load)
Max. power loss P_V	31.3 W typ. (100 VAC / 24 VDC, 10 A)
Fuse protection:	
Internal fuse	T 6.3 A / 250 V
External fuse	Circuit breakers 10 A, 16 A,
	B or C characteristic;
	An external DC fuse is required for the DC input voltage

Technical Data

Environmental Requirements:	
Ambient operating temperature	-25 °C ... +70 °C;
	Device start at -40 °C (type-tested)
Storage temperature	-25 °C ... +85 °C
Relative humidity	30 % ... 85 % (no condensation permissible)
Derating	-5 %/K (>60° C, 196 ... 264 VAC);
	-2.5 %/K (>50° C, 85 ... 195 VAC)
Degree of pollution	2 (acc. to EN 50178)
Climatic category	3K3 (acc. to EN 60721)
Safety and protection:	
Test voltage PRI-SEC/PRI-GND/SEC-GND	4.2 kV DC kV / 2.2 kV DC kV / 0.7 kV DC
Protection class	Prepared for class I equipment
Degree of protection	IP20 (acc. to EN 60529)
Overvoltage protection	Varistor (input side);
	internal protective circuit,
	< 40 VDC (output side in case of an error)
Short circuit protection	yes
No-load proof	yes
Feedback voltage	max. 35 VDC
Parallel operation	yes
Series connection	yes
MTBF	> 500,000 h (acc. to IEC 61709)
Connection and type of mounting:	
Wire connection	Input/Output/Signaling:
	WAGO 721 Series
Cross sections	Input/Output/Signaling:
	0.08 mm² ... 2.5 mm² / AWG 28 ... 12
Strip lengths	Input/Output/Signaling:
	8 ... 9 mm / 0.31 ... 0.35 in
Type of mounting	DIN-rail mount (EN 60715)
Dimensions and weight:	
Dimensions (mm) W x H x L	55 x 127 x 172
	Length from upper-edge of DIN 35 rail
Weight	930 g
Standards and approvals:	
Standards/Specifications	EN 60950-1, EN 61204-3,
	UL 60950-1, UL 508, DNVGL