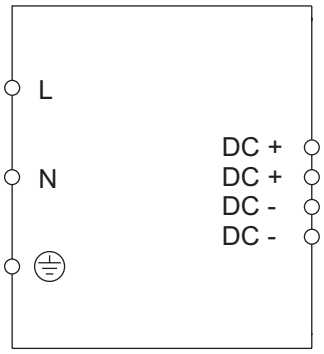
Power Supply Unit

Primary switched-mode, DC 48 V / 5 A

Data sheet

Similar photo



Description	Item-No.	Pack.-unit pcs
Input AC 230/115 V ; Output DC 48 V / 5 A	787-633	1

Power supply unit with a broad input voltage range for assembly onto DIN 35 rail.

Characteristics:

- Parallel connection possible.
- Short circuit proof.
- Open circuit proof.
- Use of switching regulator controller technology ensures compact design.
- High efficiency.
- Cutoff in case of thermal overload.

Technical Data

Input	
Nominal voltage $U_{I\ nom}$	AC 230 V / 115 V (switchable)
Voltage range	AC 195-264 V / 97-132 V
Frequency	50-60 Hz
Input current I_i	2.8 A at AC 230 V
	6.0 A at AC 115 V
Inrush current	<50 A_P
Discharge current	1.06 $mA_{typ.}$
Output hold-up time	>20 ms
Overvoltage protection	Varistor at primary circuit
Output	
Nominal voltage $U_{O\ nom}$	DC 48 V
Voltage range	DC 43-53 V adjustable
Output current I_o	5 A at DC 48 V
Residual ripple	<100 mVpp up to 20 MHz
Offset	3 %
Current limitation	from approx.1.2 x I_O
Efficiency	85 $\%_{typ.}$ (at nominal load)
Power loss P_0	2,40 $W_{typ.}$ at U_{in}115 V
	2,60 $W_{typ.}$ at U_{in} 230 V
General data	
Test voltage	4.2 kV
Degree of protection	IP 20
Protection class	prepared for class I equipment
Cooling system	natural convection cooling when horizontally mounted
Design	encapsulated, for use in switchgear cabinets
Parallel connection of power supply units	permissible
Operation indicator	LED green (48 V o.k.)
Ambient operating temperature	-10 °C...+70 °C
Derating	-3 % / K (>50 °C)

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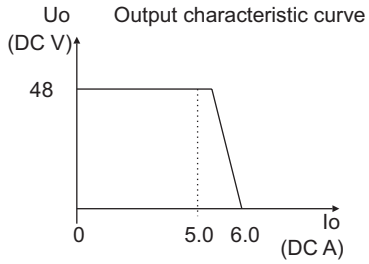

Storage temperature	-25 °C...+85 °C
Relative air humidity	30-85 %, no condensation
Mounting system	To be snapped onto DIN rail (EN 50022)
Wire connection	Terminal blocks with CAGE CLAMP®
	(WAGO series 231)
	0.08-2.5 mm^2 / AWG 28-12*
	* AWG12: THHN, THWN
Stripped length	8-9 mm / 0.33 in
Weight	940 g
Dimensions (WxHxD)	(115 x 87**x 140) mm
	(4.53 x 3.43***x 5.51) in
	** from upper edge of DIN35 rail
Standards / prescriptions	
	EN 60950-1
	EN 61204-3
	EN 61204-7