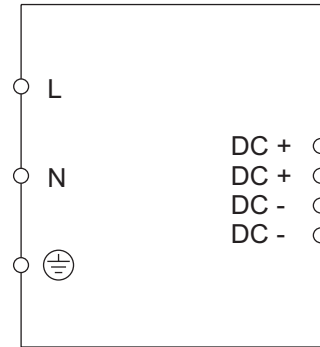


Power Supply Unit

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Primary switched-mode, DC 24 V / 10 A

Data sheet



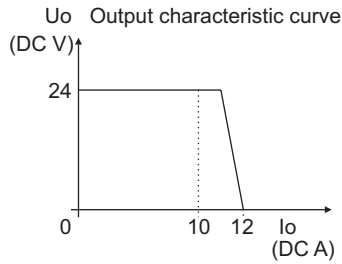
Description	Item-No.	Pack.-unit pcs																																																										
Input AC 230 V ; Output DC 24 V / 10 A	787-632	1																																																										
<p>Power supply unit with a broad input voltage range for assembly onto DIN 35 rail.</p> <p>Characteristics:</p> <ul style="list-style-type: none"> • U/I characteristic. • Parallel connection possible. • Short circuit proof. • Open circuit proof. • Thermal overload protection. • Use of switching regulator controller technology ensures compact design. • High efficiency. 	<p>Technical Data</p> <table border="1"> <thead> <tr> <th colspan="2">Input</th> </tr> </thead> <tbody> <tr> <td>Nominal voltage range $U_{I, nom}$</td> <td>AC 110-230 V</td> </tr> <tr> <td>Voltage range</td> <td>AC 85-264 V</td> </tr> <tr> <td></td> <td>DC* 90-350 V</td> </tr> <tr> <td></td> <td>* requires external protection</td> </tr> <tr> <td>Frequency</td> <td>50-60 Hz</td> </tr> <tr> <td>Input current I_i</td> <td>AC 2-6 A</td> </tr> <tr> <td></td> <td>DC 1-3.5 A</td> </tr> <tr> <td>Discharge current</td> <td>1 mA_{typ.}</td> </tr> <tr> <td>Inrush current</td> <td><60 A_P</td> </tr> <tr> <td>Output hold-up time</td> <td>>20 ms</td> </tr> <tr> <th colspan="2">Output</th> </tr> <tr> <td>Nominal voltage $U_{O, nom}$</td> <td>DC 24 V</td> </tr> <tr> <td>Voltage range</td> <td>DC 22.8-28.8 V adjustable</td> </tr> <tr> <td>Output current I_o</td> <td>10 A</td> </tr> <tr> <td>Adjustment accuracy</td> <td>3 %</td> </tr> <tr> <td>Residual ripple</td> <td><100 mV_{ss} (up to 20 MHz)</td> </tr> <tr> <td>Current limitation</td> <td>from approx. 1.2 x I_o (see output characteristic)</td> </tr> <tr> <td>Efficiency</td> <td>88_{typ.} (at nominal load)</td> </tr> <tr> <td>Power loss P_o</td> <td>2,40 W_{typ.} at U_{in} 115 V</td> </tr> <tr> <td></td> <td>2,60 W_{typ.} at U_{in} 230 V</td> </tr> <tr> <td>LED green</td> <td>at U_o DC 24 V (o.k)</td> </tr> <tr> <td>LED red</td> <td>at overcurrent</td> </tr> <tr> <td>Safety extra low voltage</td> <td>SELV</td> </tr> <tr> <th colspan="2">General data</th> </tr> <tr> <td>Degree of protection</td> <td>IP 20</td> </tr> <tr> <td>Protection class</td> <td>prepared for class I equipment</td> </tr> <tr> <td>Ambient operating temperature</td> <td>-10 °C...+70 °C</td> </tr> <tr> <td>Derating</td> <td>-3 % / K (>50 °C)</td> </tr> </tbody> </table>		Input		Nominal voltage range $U_{I, nom}$	AC 110-230 V	Voltage range	AC 85-264 V		DC* 90-350 V		* requires external protection	Frequency	50-60 Hz	Input current I_i	AC 2-6 A		DC 1-3.5 A	Discharge current	1 mA _{typ.}	Inrush current	<60 A _P	Output hold-up time	>20 ms	Output		Nominal voltage $U_{O, nom}$	DC 24 V	Voltage range	DC 22.8-28.8 V adjustable	Output current I_o	10 A	Adjustment accuracy	3 %	Residual ripple	<100 mV _{ss} (up to 20 MHz)	Current limitation	from approx. 1.2 x I_o (see output characteristic)	Efficiency	88 _{typ.} (at nominal load)	Power loss P_o	2,40 W _{typ.} at U_{in} 115 V		2,60 W _{typ.} at U_{in} 230 V	LED green	at U_o DC 24 V (o.k)	LED red	at overcurrent	Safety extra low voltage	SELV	General data		Degree of protection	IP 20	Protection class	prepared for class I equipment	Ambient operating temperature	-10 °C...+70 °C	Derating	-3 % / K (>50 °C)
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Power Supply Unit

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Primary switched-mode, DC 24 V / 10 A

Data sheet



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	960 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
Approvals	
	UL 60950 (CSA C22.2/ No.60950)
	UL 508 (CSA C22.2/ No.14-05)