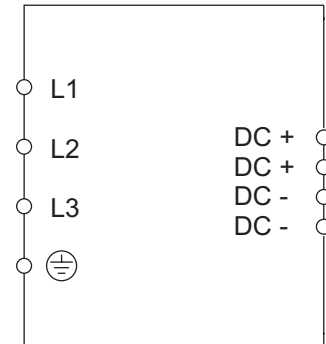


Power Supply Unit

Primary switched-mode, DC 24 V / 40 A

1/2

Data sheet


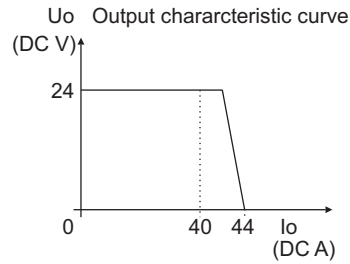
Description	Item-No.	Pack.-unit pcs	
Input 3 x AC 400 V ; Output DC 24 V / 40 A	787-644	1	
Power supply unit with a broad input voltage range for assembly onto DIN 35 rail. Characteristics: • U/I characteristic. • Short circuit proof. • Open circuit proof. • Parallel connection possible. • Thermal overload protection. • Use of switching regulator controller technology ensures compact design. • High efficiency.	Technical Data		
	Input		
	Nominal voltage $U_{I\text{ nom}}$	3 x AC 400 V	
	Voltage range	AC 325-550 V	
		DC* 460-770 V	
		* Use of DC requires external protection	
	Frequency	50-60 Hz	
	Input current I_i	3 x 2.2 A at AC 400 V	
	Inrush current	<40 A _p	
	Discharge current	1 mA _{typ.}	
	Output hold-up time	>10 ms at AC 400 V	
	Internal fuse	non	
	External fuse	3 x 3.15 AT required	
	Overvoltage protection	Varistor at primary circuit	
	Output		
	Nominal voltage $U_{O\text{ nom}}$	DC 24 V	
	Voltage range	DC 22.8-28.8 V adjustable	
	Output current I_o	40 A	
	Adjustment accuracy	2 %	
	Residual ripple	<200 mVpp at 20 MHz	
	Current limitation	from approx.1.1 x I_o (see output characteristic)	
	Efficiency	89% _{typ.} (at nominal load)	
	Power loss P_o	0,89 W _{typ.} at U_{in} 400 V	
	Safety extra low voltage	SELV	
	General data		
	Test voltage	4.2 kV	
	Degree of protection	IP 20	
	Protection class	prepared for class I equipment	
LED green (OK)	at U_o		
LED red (OC)	at overcurrent		
Ambient operating temperature	-10 °C...+70 °C		
Derating	-3 % / K (>50 °C)		

Power Supply Unit

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Primary switched-mode, DC 24 V / 40 A

Data sheet



Storage temperature	-25 °C...+85 °C
Relative air humidity	30-80 %, no condensation
Mounting system	To be snapped onto DIN rail (EN 50022)
Wire connection primary	Terminal blocks with CAGE CLAMP® 0.08-2.5 mm ² / AWG 28-12**
	** AWG12: THHN, THWN
Wire connection secondary	Power terminal blocks, 4-poles 0.5-6 mm ² / AWG 20-7
Weight	3.800 kg
Dimensions (WxHxD)	(253 x 120***x 145) mm (9.96 x 4.72***x 5.71) 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.60950-1-03) UL 508 (CSA C22.2 / No.14-95)