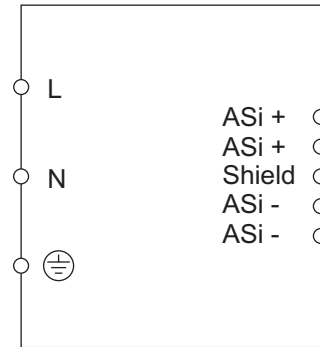


Power Supply Unit for AS-Interface

1/2

Primary switched-mode, DC 30.5 V / 3 A

Preliminary data sheet



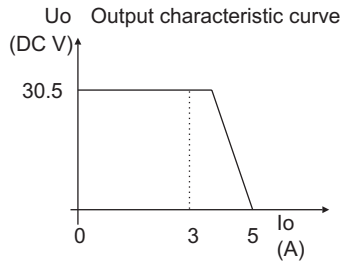
Description	Item-No.	Pack.-unit pcs
Input AC 115 V / 230 V ; Output DC 30.5 V / 3 A	787-692	1
<p>Power supply unit for AS-interface networks with a broad input voltage range for assembly onto DIN 35 rail.</p> <p>Characteristics:</p> <ul style="list-style-type: none"> • Overvoltage protection. • Short circuit proof. • Open circuit proof. • Use of switching regulator controller technology ensures compact design. • High efficiency. • Thermal overload protection. • Output voltage range adjustable. 	<p>Technical Data</p> <p>Input</p> <p>Nominal voltage $U_{I\ nom}$ AC 115 V / 230 V</p> <p>Voltage range AC 97-264 V DC* 140-300 V *Use of DC requires external protection</p> <p>Frequency 50-60 Hz</p> <p>Input current I_i 2 A at AC 115 V 1 A at AC 230 V</p> <p>Discharge current 600 $\mu A_{typ.}$</p> <p>Inrush current <50 A_P</p> <p>Output hold-up time >15 ms at AC 115 V >50 ms at AC 230 V</p> <p>Internal fuse 4 AT</p> <p>Overvoltage protection Varistor at primary circuit</p> <p>Output</p> <p>Nominal voltage $U_{O\ nom}$ DC 30.5 V (PELV)</p> <p>Voltage range DC 26-33 V adjustable</p> <p>Output current I_o 3 A at DC 30.5 V 2.5 A at U_i <AC 97 V</p> <p>Residual ripple <300 mVpp (<10 kHz) <50 mVpp (0.01-20 MHz)</p> <p>Adjustment accuracy 3 %</p> <p>Current limitation from 1.1 x I_o (see output characteristic)</p> <p>Efficiency 89 %_{typ.} (at nominal load)</p> <p>Power loss P_o 7,11 W_{typ.} at U_{in} 400 V</p> <p>Safety extra low voltage SELV</p> <p>General data</p> <p>Test voltage 4.2 kV</p> <p>Degree of protection IP 20 acc. to EN 60529</p> <p>Protection class prepared for class I equipment</p> <p>Cooling system natural convection cooling when horizontally mounted</p> <p>Design encapsulated, for use in switchgear Cabinets</p>	

Power Supply Unit for AS-Interface

2/2

Primary switched-mode, DC 30.5 V / 3 A

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Operation indicator	LED green normal operating condition
Ambient operating temperature	-10 °C...+70 °C
Derating	-3 % / K (>55 °C)
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
Min. conductor cross section acc. to AS-I specification	1.5 mm ²
Stripped length	8-9 mm / 0.33 in
Weight	600 g
Dimensions (WxHxD)	(48 x 110***x 115) mm incl. plug (1.89 x 4.33***x 4.53) in incl. plug *** 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)
AS-Interface Specification 2.11	ZU-Nr.: 64001