

Primary switch mode EPSITRON® COMPACT Power supplies; Output voltage DC 24 V; 2.5 A

Item No.: 787-1012



Primary switch mode EPSITRON® COMPACT Power supplies; Output voltage DC 24 V; 2.5 A

Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	787-1012
GTIN / EAN	4050821297598
Content	1
Order amount	1
Customer item number	

Notes

Item description: Switched-mode power supply
Natural convection cooling when horizontally mounted
Stepped profile, ideal for distribution boards or distribution boxes
Suitable for both parallel and series operation
Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1
Ambient operating temperature: -25 °C ... +60 °C (UL: -25 °C ... +55 °C); Device start at -40 °C type-tested
External fuse: Circuit breakers 10 A, 16 A, characteristic: B or C
An external DC fuse is required for the DC input voltage

Technical data

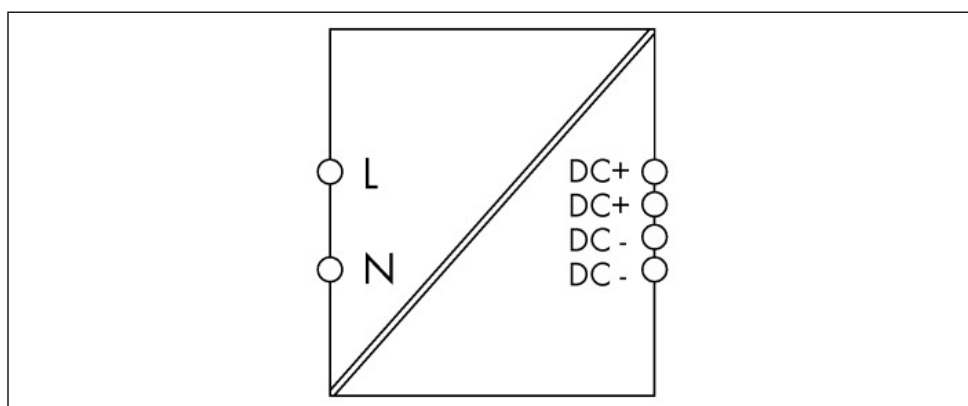
Miscellaneous

Inrush current	< 30 A, NTC
Overvoltage protection	< 40 VDC (in the event of a fault)
Power loss PV	2.2 W (230 VAC/no load) 8.5 W (230 VAC/nominal load)
Protection class	II
Factory preset	24 VDC

Technical data	
Wire connection 1	WAGO 740 Series
Overload behavior	Constant current
Degree of pollution	2 (per EN 50178)
MTBF	> 500000 h
Input voltage range	85 ... 264 VAC; 120 ... 373 VDC
Output voltage range	22.8 ... 26.4 VDC adjustable
Frequency	44 Hz ... 66 Hz; 0 Hz
Nominal input voltage $V_i \text{ nom}$	100 ... 240 VAC
Input current I_i	1.4 A at 110 VAC / 0.6 A at 230 VAC
Discharge current	1 mA typ.
Mains failure hold-up time	> 10 ms at 110 VAC / > 80 ms at 230 VAC
Internal fuse	T 2 A/250 V
Nominal output voltage $V_o \text{ nom}$	24 VDC (SELV)
Output current I_o	2.5 A at 24 VDC max. 1.6 A in any mounting position
Residual ripple	< 100 mV (peak-to-peak) up to 20 MHz
Derating	-3 % / K (> 45 °C)
Adjustment accuracy [%]	< 2 [%]
Current limitation	1.1 x I_o typ.
Parallel operation	Yes
Feedback voltage	Max. 30 VDC
Efficiency	88 % typ.
Test voltage PRI-SEC [kV]	4.2 kV DC [kV]
Degree of protection	IP20 per EN 60529
Operational indication	Green LED (V_o)
Short circuit protection	Yes
Overvoltage category	II
No-load proof	Yes
Solid sizes 1	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length 1	6 ... 7 mm / 0.24 ... 0.28 in
solid, connectable 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length 2	6 ... 7 mm / 0.24 ... 0.28 in
Strip length from 1 [mm]	6 [mm]
Strip length up to (1) [mm]	7 [mm]
Strip length from [inch] [in]	0.24 [in]

Technical data	
<i>Strip length up to [inch] [in]</i>	<i>0.28 [in]</i>
<i>Weight [g]</i>	<i>255 [g]</i>
<i>Width</i>	<i>72 mm / 2.835 in</i>
<i>Height</i>	<i>89 mm / 3.504 in</i>
<i>Length</i>	<i>59 mm / 2.323 in</i>
<i>Enclosure</i>	<i>Plastic, light gray, Flammability class V0 acc. to UL94</i>
<i>Storage temperature</i>	<i>-25 °C ... +80 °C</i>
<i>Standards/specifications</i>	<i>EN 60950, EN 61204-3, UL 60950, UL 508, GL</i>
<i>Type of mounting</i>	<i>DIN 35 rail</i>
<i>Mounting type</i>	<i>DIN-rail-mount (EN 60715)</i>
<i>Climatic category</i>	<i>3K3 (per EN 60721)</i>
<i>Relative humidity</i>	<i>5 % ... 96 % (no condensation permissible)</i>

Images & drawings



Address

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Technische Änderungen und Irrtümer vorbehalten.