product data sheet

item no. 81.000.6132.0

switched-mode power supply WIPOS P1 12-5

wipos switched-mode power supply, nominal voltage: 12 V DC / 5A (setting range 12-14 V DC), sustained short-circuit protection, input voltage range: 85-264 V AC / 90-375V DC, single phase, W x H x D: 40,5 × 88,5 × 115 mm



item no.	81.000.6132.0
EAN	4049088106101
order unit	1 piece(s)

certificates / approvals

technical data

general

connection type	screw connection
number of phases	single phase power supply
suitable for modular version	yes
mounting type, other	no
mounting type, wall mounting	no
rail mounting possible	yes
housing material	Polycarbonate (PC)
operating temperature min.	-40 °C
operating temperature max.	71 °C
relative humidity min.	20 %
relative humidity max.	95 %
storage temperature / transport min.	85 °C
storage temperature / transport max.	-40 °C
degree of protection (IP)	IP20
parallel-service possible	no

technical data

function display	"DC OK" (LED green) (U(o) 17.6...19.4V)
short-circuit protective device	current limitation (fold forward)
temperature coefficient	±0,03%/K
ripple and noise	< 0.05 V
hold time 115V AC	> 20 ms
hold time 230V AC	> 30 ms
isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm

derating	61°C...71°C: 2.5 %/K
cooling	free convection
MTBF	504,000h
connector cross section (input	min. 0.2mm² (AWG24)max.2.5mm² (AWG12)
connector cross section (output)	min. 0.2mm² (AWG24)max.2.5mm² (AWG12)
wire strip length	5 mm
permissible torque max.	0.6 Nm
CE-Norm	EN55022 & EN61000-6-3, EN61000-3-2,EN61000-3-3, EN55024 & EN61000-6-2,EN61000-4-2, EN61000-4-3, EN61000-4-4,EN61000-4-5, EN61000-4-6, EN61000-4-8,EN61000-4-11, EN60204-1, EN61204-3
TÜV/safety	EN60950-1, EN61558-1, EN61558-2-16(comply with EN60204) , IRAM
approval UL	UL 508 Listed, UL60950-1 Recognized
number of +	2
number of -	2
further terminals	L1, N, PE, NC (not used)

output

type of output voltage	DC
power output	60 W
output voltage stabilized	yes
output voltage	12 V
output current	5 A

input

type of voltage (input voltage)	
primary voltage range	90 V
min. input voltage	90 V
max. input voltage	264 V
rated frequency min.	47 Hz
rated frequency max.	63 Hz
input current, max.	1.5 A
input fuse	T2A / 250V (internal)

dimensions

depth	115 mm
width	40.5 mm
height	91 mm
mounting distance horizontal	25 mm
mounting distance vertical	25 mm
weight	340 g

technical drawing

