

Data sheet

Commercial Art.No.: 81.000.6170.0

Switched-mode power supply WIPOS P3 24-10

wipos switched-mode power supply, nominal voltage: 24 V DC / 10A (setting range 22,5-28,5 V DC), sustained short-circuit protection, input voltage range: 340-575 V AC, 480-820 V DC, 3 phase, W x H x D: 89 × 123,6 × 118,2 mm



Certificates / Approvals



Technical data

General

Connection type	screw connection
Number of phases	3 phase power supply
Modular version	No
Mounting type, other	No
Mounting type, wall mounting	No
Rail mounting possible	yes
Housing material	Metal
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
Pollution degree	2
Parallel-service possible	yes
Number of parallel switchable device	2

Technical data

Function display	"DC OK" (LED green) (U(o) 17.6...19.4V)
function display "DC Low"	"DC Low" (LED red)
Short-circuit protective device	Strombegrenzung (fold forward)
ripple and noise	< 0.1 V
isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm
Derating	61°C...71°C: 2,5 %/K

cooling	free convection
MTBF	488.000h
Connector cross section (input)	min. 0,5mm ² (AWG24) max. 6mm ² (AWG10)
Connector cross section (output)	min. 0,5mm ² (AWG24) max. 6mm ² (AWG10)
Wire strip length	8 mm
Permissible torque max.	0.6 Nm
Control "Single / Parallel"	Operating mode: single operation / parallel operation
CE-Norm	EN61000-6-3, EN 55022 Class B, EN61000-3-2, EN61000-3-3, EN61000-6-2, EN55024, EN61000-4-2, Level 4, EN61000-4-3 Level 3, EN61000-4-4 Level 4, EN61000-4-5 L-N Level 3, L/N-FG Level 4, EN61000-4-6 Level 3, EN61000-4-8 Level 4, EN61000-4-11, ENV 50204 Level 2, EN61204-3
TÜV/safety	EN60950-1, EN61558-1, EN61558-2-16(erfüllt EN60204) , IRAM
Approval UL	UL 508 Listed, UL60950-1 Recognized
Number of +	2
Number of -	2
Further terminals	L1, L2, L3, N, PE, OK (2x Relay-NO)

Output

Type of output voltage	DC
Power output	240 W
Output voltage stabilized	yes
Output voltage	24 V
Min. output voltage	22.5 V
Max. output voltage	28.5 V
Output current	10 A

Input

Type of voltage (input voltage)	
Power consumption	< 266 VA
Input voltage DC min.	480 V
Input voltage DC max.	820 V
Input voltage AC min.	340 V
Input voltage AC max.	575 V
Rated frequency min.	47 Hz
Rated frequency max.	63 Hz
Max. starting current	20 A
Input fuse	3x T2,0A / 600V AC (intern)
input protection	Varistor (voltage-sensitive resistor)

Dimensions

Depth	119 mm
Width	90 mm
Height	124 mm
Mounting Distance horizontal	25 mm
Mounting Distance vertical	25 mm
Weight	1.1 kg

Classification

ECLASS 11	
ECLASS 8.1	27049002
ETIM 7.0	EC002540

ETIM 6.0	EC002540
ETIM 5.0	EC002540

Product compliance

ROHS conformity status	Compliant
REACH-SVHC conformity status	Compliant