



General ordering data

Order No.	9927480024
Part designation	CP SNT 55W 24-28V 2.3A
Version	Switched-mode power supplies, 85...265 V AC, 120...300 V DC , single-phase, 24...28 V DC
EAN	4032248217595
Qty.	1 pc(s).

Input

Connection system	Screw connection
Input current	1.1 A @ 115 V AC; 0.55 A @ 230 V AC
Input current at 115 Vac	1.10 A RMS +/- 20%
Input current at 125 Vdc	590 mA +/- 20%
Input current at 230 Vac	0.55 A RMS +/- 20%
Input current at 250 Vdc	315 mA +/- 20%
Input frequency	50/ 60 Hz
Input fuse	2 A time-lag fuse (internal)
Input voltage	85...265 V AC, 120...300 V DC
Max. connection range	AWG26-12 (0.1-4.0 mm ²)
Surge protection	Varistor
Turn-on current limit	Thermistor

output

Connection system	Screw connection
Control at 10...100% load	1 %
Control at input voltage	0.8 %
Mains failure bridge-over time for 115 V AC	30 ms
Mains failure bridge-over time for 230 V AC	180 ms
Max. capacitance at output	10000 µF
Max. connection range	AWG26-12 (0.1-4.0 mm ²)
Max. output power	55 V
Max. residual ripple	< 50 mV
Output current	2.3 A
Output voltage	24...28 V DC
Overload protection	/ thermal cut-out

output

Parallel connection option No

General data

DIN Rail compatibility	TS 35
Degree of efficiency at max. load	78 %
EMC standards	IEC 61000-6 /-2, -3
Housings	metal
Low Voltage Directive	73/ 23/ EWG
Power factor correction	No
Standards	EN 50178, EN 60950, IEC950
Status indication	Green LED
Switching frequency	100 kHz
Weight	478 g
Ambient temperature (operational)	-20 °C...+40 °C
Storage temperature	-40 °C...+85 °C

Insulation coordination

Galvanic isolation, I/O rail	3 kV
Galvanic isolation, input-earth	1.5 kV
Galvanic isolation, input-output	3 kV
Galvanic isolation, output-earth	0.5 kV
Humidity at operating temperature	20 - 85% RH without condensation
Humidity at storage temperature	20 - 90% RH
Protection class	IP 20

Dimensions

Clamping range, max.	4 mm ²
Clamping range, min.	0.1 mm ²
Clamping range, nom.	4 mm ²
Length	131 mm
Height	98 mm
Width	57 mm

Approvals

Approvals institutes



Classifications

ETIM 2.0	EC001039
ETIM 3.0	EC001039
eClass 4.1	27-24-04-10
eClass 5.0	27-24-22-13
eClass 5.1	27-24-22-13

Similar products

Order No.	Part designation	Version
9925340024	CP SNT 160W 24-28V 6.5A	Switched-mode power supplies, Min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC , single-phase, 24...28 V DC
9916250024	CP SNT 300W 24V 12.5A	Switched-mode power supplies, 86...265 V AC, 100...200 V DC; type 115...230 V AC , single-phase, 22...28 V DC adjustable
9927480005	CP SNT 55W 5V 3A	Switched-mode power supplies, 85...265 V AC, 120...300 V DC , single-phase, 5 V DC
9925340012	CP SNT 160W 12-15V 8A	Switched-mode power supplies, Min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC , single-phase, 12...15 V DC
9927480012	CP SNT 55W 12-15V 3A	Switched-mode power supplies, 85...265 V AC, 120...300 V DC , single-phase, 12...15 V DC
9925340005	CP SNT 160W 5V 8A	Switched-mode power supplies, Min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC , single-phase, 5 V DC
9927480048	CP SNT 55W 48V 1.04A	Switched-mode power supplies, 85...265 V AC, 120...300 V DC , single-phase, 48 V DC
9925340048	CP SNT 160W 48V 3.5A	Switched-mode power supplies, Min. 85/138 V AC, max. 195/250 V AC, typ. 115...230 V AC , single-phase, 48 V DC