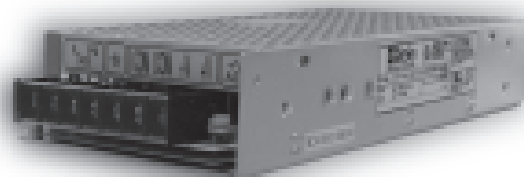


- ▶ EMI - filter included
- ▶ Sheet steel housing
- ▶ Mounting on DIN-Rail TS 35 optional
- ▶ Short circuit, overload and overvoltage proof
- ▶ Low residual ripple



Technical data

1. Functions

Switching power supply

2. Indicators

Green LED ON: indication of operation

3. Mechanical design

Sheet steel housing, IP rating IP00

Mounting on DIN-Rail TS 35 according to EN 50022 optional (see accessory)

Mounting position: any

Shockproof terminal connection according to VBG 4

Terminal capacity: screw terminals, spacing 9.5mm

Type	Weight	Dimensions	Design
SRNG 25xx	0.37kg	98mm x 107mm x 36mm	1
SRNG 40xx	0.45kg	98mm x 139mm x 38mm	1
SRNG 60xx	0.55kg	98mm x 169mm x 38mm	1
SRNG 100xx	0.65kg	98mm x 207mm x 38mm	1
SRNG 150xx	0.80kg	110mm x 207mm x 50mm	1
SRNG 240xx	1.10kg	93mm x 203mm x 65mm	2*
SRNG 300xx	1.20kg	115mm x 226mm x 50mm	2*
SRNG 500xx	1.80kg	120mm x 183mm x 94mm	3*

*Fan is serial equipment

4. Input circuit

Supply voltage: see table

Rated frequency: 47 to 63Hz

Duration of operation: 100%

Start-up time: max. 1s

Response time: max. 80ms

Bridging time if power down: 20 to 80ms

Type	Supply voltage	Incrush current	Efficiency
SRNG 25XX	85 - 264VAC 120 - 370VDC	30A	72%
SRNG 40XX	85 - 264VAC 120 - 370VDC	50A	76%
SRNG 60XX	85 - 264VAC 120 - 370VDC	50A	76%
SRNG 100XX	88 - 132VAC 176 - 264VDC	40A	80%
SRNG 150XX	88 - 132VAC 176 - 264VAC	35A	82%
SRNG 240XX	88 - 132VAC 176 - 264VAC	30A	82%
SRNG 300XX	88 - 264VAC 88 - 264VDC	30A	84%
SRNG 500XX	88 - 264VAC 88 - 264VDC	30A	84%

5. Output circuit

Output voltage adjustable: Yes, $\pm 10\%$

Overload protection: Yes, electronic fuse (105% to 150% of rated load)

Overvoltage protection: Yes, electronic fuse

(115% to 135% of rated voltage)

Short circuit protection: Yes, electronic fuse

SRNG series	P _{sec}	U _{sec}	I _{sec}	Residual ripple	Tolerance	output
2505	25W	5A	5V DC	50mV	$\pm 2\%$	1
2512	25W	2.1A	12V DC	100mV	$\pm 1\%$	1
2524	25W	1.1A	24V DC	100mV	$\pm 1\%$	1
4012	40W	3.5A	12V DC	100mV	$\pm 1\%$	1
4024	40W	1.8A	24V DC	100mV	$\pm 1\%$	1
6012	60W	5A	12V DC	120mV	$\pm 1\%$	1
6024	60W	2.5A	24V DC	120mV	$\pm 1\%$	1
10012	100W	8.5A	12V DC	125mV	$\pm 1\%$	2
10024	100W	4.5A	24V DC	150mV	$\pm 1\%$	2
15012	150W	12.5A	12V DC	180mV	$\pm 1\%$	2
15024	150W	6.5A	24V DC	240mV	$\pm 1\%$	2
24012	240W	18A	12V DC	150mV	$\pm 1\%$	2
24024	240W	10A	24V DC	180mV	$\pm 1\%$	2
30012	300W	24A	12V DC	150mV	$\pm 1\%$	3
30024	300W	12.5A	24V DC	150mV	$\pm 1\%$	3
50012	500W	40A	12V DC	240mV	$\pm 1\%$	3
50024	500W	20A	24V DC	240mV	$\pm 1\%$	3

6. Accuracy

Temperature influence: $\leq 0.03\% / ^\circ\text{C}$

7. Ambient conditions

Ambient temperature: see table

Storage temperature: -20 to +85°C

Transport temperature: -20 to +85°C

Relative humidity: 20% to 90%

Type	100% power output	Max. 80%	Max. 60%
SRNG 25xx	0 to 50°C	-10 to 0°C	50 to 60°C
SRNG 40xx	0 to 50°C	-10 to 0°C	50 to 60°C
SRNG 60xx	0 to 50°C	-10 to 0°C	50 to 60°C
SRNG 100xx	0 to 50°C	-10 to 0°C	50 to 60°C
SRNG 150xx	0 to 30°C	-10 to 0°C	30 to 60°C
SRNG 240xx	0 to 50°C	-10 to 0°C	50 to 60°C
SRNG 300xx	0 to 40°C	-10 to 0°C	*40 to 50°C
SRNG 500xx	0 to 40°C	-10 to 0°C	40 to 50°C

*power output only 50% if used in indicated temperature range

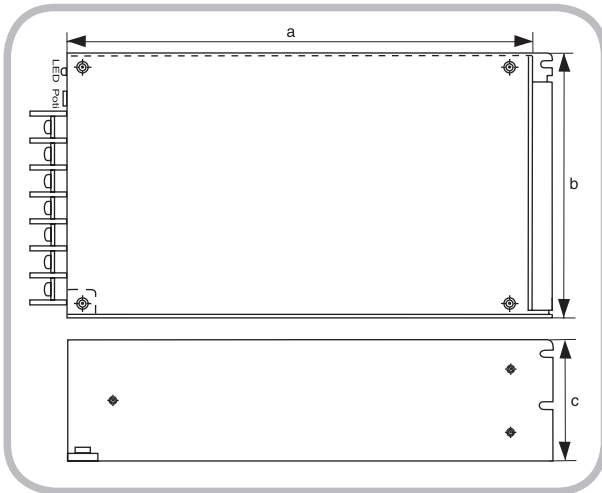
Technical data

8. Accessory

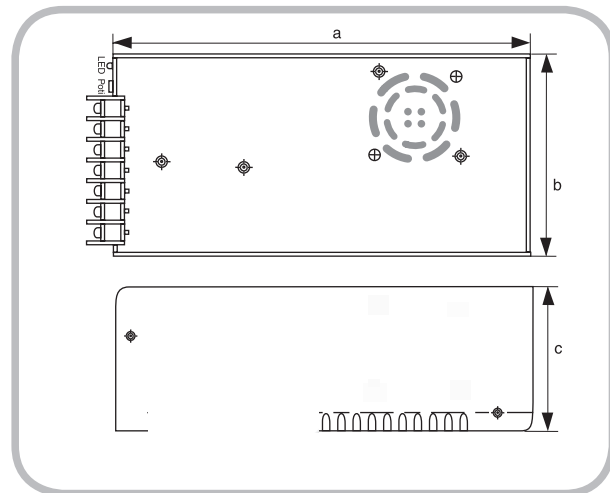
Accessory required for fixing the device on DIN-Rail TS 35	
MPS-SRNG	Mounting plate for vertical mounting (SRNG 150)
MPL-SRNG	Mounting plate for horizontal mounting (SRNG 25-60)
MC-SRNG 100/150/500	Mounting clip congenial to SRNG 25-150 and 500
MC-SRNG 240/300	Mounting clip for SRNG 240 and 300
MW-SRNG	Mounting angle for (SRNG 25-100)

Dimensions

Design 1



Design 2



Design 3

