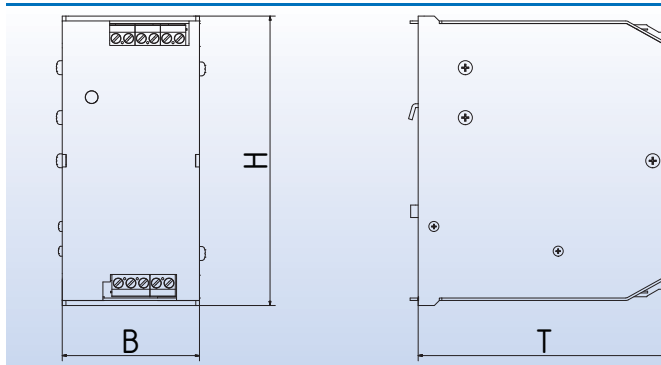
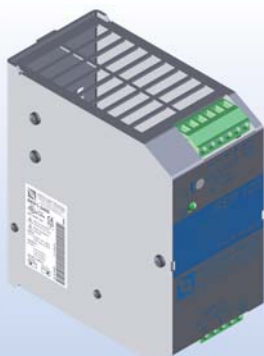




Primary side-controlled switched-mode power supplies



Fig. REP1-2405

General information:

REP power supplies are high-quality switched-mode power supplies for top-hat rail mounting. They feature a compact, smart design and a robust metal enclosure.

The output voltage can be adjusted quickly and easily (DC 22V to DC 27V) and exhibits high stability even when there are temperature fluctuations and load changes. Apart from short-circuit protection with 3 different output protection modes, overload and overvoltage protection on the output ensure a high degree of safety.

Special features of the REP series:

- Parallel connection of additional REP power supplies of the same design is an easy way of increasing the output power (max. 4 units / 280-500W version)
- Series connection possible to DC 110V
- 1.5 times nominal current for 3min.
- 3 times nominal current for 300ms.

Type	REP1-2403	REP1-2405	REP1-247.5	REP1-2414	REP1-2425	REP2-2405	REP2-247.5	REP2-2414	REP3-2425
Power	40–70W	95–120W	120–180W	240–336W	480–600W	95–120W	120–180W	240–330W	480–600W
INPUT	1-phase					2-phase			3-phase
Nominal voltage	AC 115–230V	AC 115/230V input selectable				AC 230/400/500V input selectable			3AC 400–500V
Voltage range	AC 90–264V	AC 90 – 135V AC 180 – 264V				AC 187 – 264V AC 330 – 550V			3AC 330–550V
Internal fuse	4A	4A	4A	6.3A	10A	4A	4A	4A	6.3A
Recommended external fuse	6A	10A	10A	16A	16A	10A	10A	16A	16A
Nominal voltage	DC 24V								
Adjustment range (Vadj)	DC 22 – 27V								
Continuous current at 24V < 40°C (In)	2.0A (115) – 3.0A (230)	5.0A	7.5A	14A	25A	5.0A	7.5A	14A	25A
Continuous current at 24V < 50°C (In)	1.5A (115) – 2.5A (230)	4.5A	6.0A	12A	22A	4.5A	6.0A	12A	22A
Continuous current at 24V < 60°C (In)	–	4.0A	5.0A	10A	20A	4.0A	5.0A	10A	20A
Power boost current (at 24VDC 60°C ≥ 3min.)	3.5A	5.0A	7.5A	14A	25A	5.0A	7.5A	14A	25A
Grid failure bypass time (min. VAC) 24VDC	typically 20msec								
Ripple	≤ 80mVpp								
Efficiency (50% of In)	≥ 88%	≥ 91%	≥ 91%	≥ 91%	≥ 92%	≥ 91%	≥ 91%	≥ 91%	≥ 92%
Power loss at max. load (W)	6	11	17	28	54	11	17	28	54
Ambient temperature during operation	-25 – +70°C								
Reduction in power at Ta > / (In)	> 50° 2.5% °C	> 60° 2.5% °C							
Protection class (EN/IEC 60529)	IP 20								
Connection data, fine-strand	2.5mm				4mm	2.5mm			4mm
Protection class (PE connected)	I								
Dimensions approx. in mm (WxHxD)	50x120x50	55x110x105		72x115x135	85x120x140	55x110x105		72x115x135	85x120x140
Item number:	0540-00016024	0540-00019024	0540-00117024	0540-00128024	0540-00150024	0541-00029024	0541-00217024	0541-00228024	0542-00350024
Total weight in kg	approx. 0.30	approx. 0.50	approx. 0.60	approx. 0.72	approx. 1.10	approx. 0.50	approx. 0.60	approx. 0.72	approx. 1.00