

COMPETENT CHAMAELEO Primary Switched-Mode Regulator (€)



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PRIMARY SWITCHED-MODE REGULATOR 24 V / 10 A – 1 ph

240 W – Built-in power supply

- Wide input range 92 – 264 VAC
- Adjustable output voltage range
- Compact housing
- Protected against continuous short circuit and non-load operation
- Weight approx. 0.90 kg
- “On” indicator (LED)
- Connection via Push-In spring terminals
- Vertically mounted on DIN rail
- No-load losses typically 1.8 W
- Safety according to EN 60950-1
- Active PFC according to EN 61000-3-2
- Noise immunity according to EN 61000-6-3 /-4
- RFI suppression according to EN 61000-6-2
- Temporary boost 16 A / 2 sec
- Power Good Signal
- LLC technology

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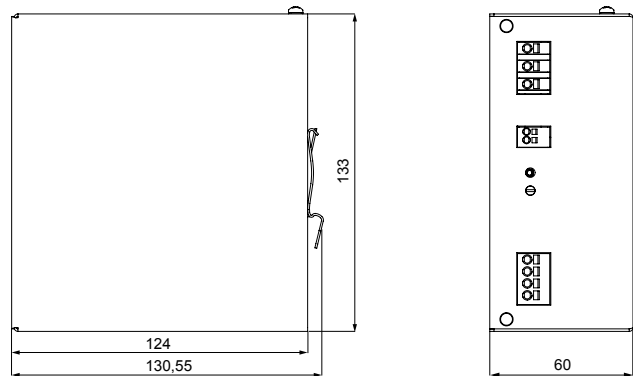
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Technical data	
Input	
Nominal voltage	100 – 240 VAC 47 – 63 Hz
Input voltage range	90 – 264 VAC
Nominal input current	1.2 A at 230 VAC / 2.2 A at 120 VAC
Inrush current	$I < 40 \text{ A}$ at $U_{in} = 264 \text{ VAC}$
Fuse	T 6.3 A
Power factor	0.90 capacitive at 230 VAC 0.95 capacitive at 120 VAC
Output	
Output voltage	24 VDC $\pm 2\%$
Typical adjustment range	23.5 – 28 VDC
Output current	0 – 10 A, max. 240 W
Ripple	$< 100 \text{ mV}_{pp}$
Current limit typically	10.5 A / 16.5 A at boost
Efficiency typically	94 % at 230 VAC
Hold-up time	$> 20 \text{ ms}$ / 230 VAC
General	
Weight	0.90 kg
Temperature range	$-10^{\circ}\text{C} - 70^{\circ}\text{C}$ with free convection, from 60°C derating, 2.5% / K
Storage temperature	$-40^{\circ}\text{C} - 85^{\circ}\text{C}$
Relative humidity	$\leq 95\%$, non-condensing, in accordance with IEC 60664
Protection type	IP 20
Protection class	I with PE

Dimensions [mm]	
W x H x L	60 x 133 x 124



Ordering data	
Part no.	Order text
149001-51070	Primary switched-mode regulator 24 V / 10 A