



HSD10001

- DIN-Rail Power Supply 3phase fix output TS35mm DIN EN 50022
- Active Inrush Current Protection
- Active PFC
- Temperature Control
- Clean C/V chart without foldback, ideal for dc drives and dc-UPS
- Remote Shutdown

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HSD10001

Model	HSD10001						
Power	960W/1080W						
Nominal AC Input	3PH 400... 500Vac						
Input Range AC	3PH 340... 575Vac						
Input Range DC	450... 820Vdc						
Input Frequency	47... 63Hz						
Hold-Up Time	12ms						
Inrush Current Protection	14,2Aeff / 20Apeak active protection $\pm 6\%$						
Autostart	Soft start 50ms						
Output Voltage	12V	24V	36V	48V	60V	72V	
Adjust Range Vout	10,,, 17V	22... 30V	32... 43V	43... 53V	53... 72V	68... 86V	
Ripple & Noise mVpp	50mV	50mV	80mV	100mV	100mV	150mV	
Nominal Output Current 60°/40°C	50/55A	40/44A	28/31A	21/23A	17/18A	14/15A	
Power Boost $\leq 60^\circ\text{C}/60\text{s}$	55A	44A	30,8A	23,1A	18,7A	15,4A	
Stability at Load Switch	$\pm 0,5\%$	$\pm 0,2\%$	$\pm 0,2\%$	$\pm 0,2\%$	$\pm 0,2\%$	$\pm 0,2\%$	
Transient Time	< 1ms						
Efficiency	92,50%						
Basic load	Idling-proof						
Short Circuit Protection	Continuous						
Ambient Operation Temperature	-20°C... +70°C						
Cooling	Natural convection						
Temperature Monitoring	Yes						
Dimensions (WxHxD)	200x131,5x124mm						
IP-Range	IP20						
Safety Norms	CSA UL CE according to IEC60950-1						
Safety IEC	EN60950-1 EN50178 EN60204-1						
Safety Class 1(A)	VDE0100 VDE0805						
Input to Output Isolation	3000Vac						
Climatic Class, Humidity	3k3, 95% non condensing						
EMI	EN55022B						
EMS	EN61000-6-2,3						
MTBF IEC61709	500000h						
Power Good Relay	Yes						
Remote Shutdown	Yes						
Features	Active PFC, 2phase operation						
Ordering options	Protective coating						
Options	See datasheet						