



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

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 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					
Options	See datasheet					