



# Industrial Networking Solutions

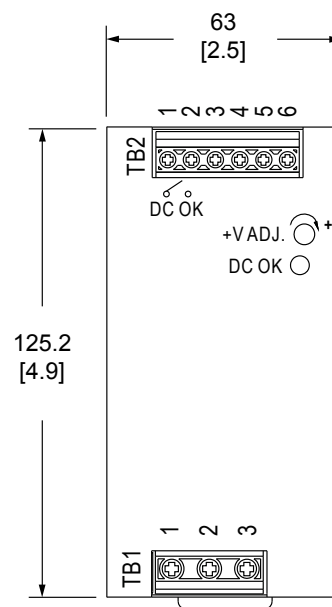
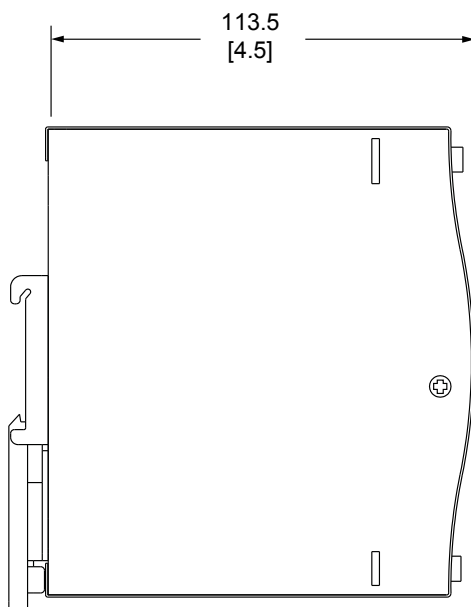
## Power Supplies



48 VDC Industrial Power Supply | Active PFC | DIN-Rail Mount | Metal Housing



Part Number [MFG #]	Output Power	O/P Current Loading Rated	O/P Current Max.	Ripple Noise	Efficiency	Over Voltage Protection	MTBF
<b>PSDR-240-48</b> [SDR-240-48]	48VDC 240W Single Output	5A	5A	120mVp-p	94%	56-65VDC	Exceed 169,300 hrs (19.59 years)



### Feature Highlights:

- High Efficiency 94% and low power dissipation
- 150% peak load capability
- Built-in active PFC function, PF>0.93
- Protections: Short circuit/Overload/Over voltage/ Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508 (Industrial control equipment) approved
- EN61000-6-2(EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 years warranty



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## Specifications & Approvals



48 VDC Industrial Power Supply | Active PFC | DIN-Rail Mount | Metal Housing

Output	
Peak Current	7.5A
Peak Power	360W (3sec.)
Voltage Adj. Range	48 ~ 55V
Voltage Tolerance	±1.0%
Line Regulation	±0.5%
Load Regulation	±1.0%
Setup, Rise Time	1500ms, 60ms/230VAC 3000ms 60ms/115VAC at full load
Hold Up Time (Typ.)	20ms/230VAC 20ms/115VAC at full load
Input	
Voltage Range	88 ~ 264VAC 124 ~ 370VDC
Frequency Range	47 ~ 63Hz
Power Factor (Typ.)	0.93/230VAC 0.99/115VAC at full load
Efficiency (Typ.)	94%
Ac Current (Typ.)	2.6A/115VAC 1.3A/230VAC
Inrush Current (Typ.)	33A/115VAC 65A/230VAC
Leakage Current	<1mA / 240VAC
Protection	
Overload	Normally works within 110 ~ 150% rated output power for more than 3 seconds and then shut down o/p voltage with auto-recovery
	>150% rated power, constant current limiting with auto-recovery within 2 seconds and may cause to shut down if over 2 seconds
Over Voltage	56 ~ 65V
	Protection type Shut down o/p voltage with auto-recovery
Over Temperature	95°C ±5°C (TSW : detect on heatsink of power switch)
	Protection type Shut down o/p voltage, recovers automatically after temperature goes down
Function	
Dc Ok RealyContact Ratings (Max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load

Environmental Limits		
Working Temp.		-25°C ~ 70°C (-13°F ~ 158°F)
Working Humidity		20 ~ 95% RH non-condensing
Storage Temp., Humidity		-40°C ~ 85°C (-40°F ~ 185°F), 10 ~ 95% RH
Temp. Coefficient		±0.03%/°C (0 ~ 50°C)
Regulatory Approvals		
Safety Standards		UL508, TUV EN60950-1 approved; (meet EN60204-1)
Withstand Voltage	I/P-O/P	3KVAC
	I/P-Fg	2KVAC
	O/P-Fg	0.5KVAC
	O/P-Dc Ok	0.5KVAC
Isolation Resistance		I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH
Emc Emission		EN55011 EN55022 (CISPR22) EN61204-3 Class B EN61000-3-2, -3
Emc Immunity		EN61000-4-2,3,4,5,6,8,11 EN55024 EN61000-6-2 (EN50082-2) EN61204-3, heavy industry level, criteria A, SEMI F47, GL approved
Vibration	Component	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
	Mounting	IEC60068-2-6
MTBF		169.3K hrs min. MIL-HDBK-217F (25°C)
Warranty		3 years