



AC-DC DIN Rail Converter

FLEX50024A



Features

- Universal AC input
- Output: **24Vdc/25A (600W)**
- 'Power Good' Relay
- MTBF > 500,000hrs
- Overload, over-voltage, over-temperature and short circuit protection
- DIN Rail mountable
- IP20
- 3 year warranty



SPECIFICATIONS

INPUT	Input Voltage Range	90 – 264 Vac
	Input Current	8.0 – 4.2 A
	Inrush Current	≤ 80A ≤ 5 mS
	Frequency	47 – 63 Hz
OUTPUT	Output Voltage	24Vdc
	Output Current	25A (600 Watts) @ 40°C, 22A @ 50°C, 20A @ 60 °C
	Efficiency	90% min
	Residual Ripple	Max 80mVp-p
	Hold-up time	20mS typical at Vin=115Vac
ENVIRONMENT	Operating Temperature	-25 to +70 °C , de-rate linearly at 2.5% per °C above 60 °C
	Storage Temperature	-40 to +85 °C
	Humidity	95% to 25 °C, non-condensing
PROTECTIONS	Over-temperature	Yes – output shutdown, auto restart
	Overload	Yes
	Over voltage	Yes – typically at 35Vdc
	Short-circuit	Yes
GENERAL	MTBF	>500,000 hours
	Isolation	3000Vac (In / Out), 1605Vac (In / E), 500Vac (Out / E)
	Enclosure Rating	IP20
APPROVALS	CE	The CE mark is in accordance with EMC 2004/108/EC and Low voltage directive 2006/95/EC.
	Electrical Safety	Compliance to UL508. According to IEC/EN 60950 (VDE 0805) e EN 50178 (VDE 0160) for assembling device. The unit must be installed according to IEC/EN 60950. Input / Output separation: SELV EN60950-1 and PELV EN 60204-1. Double or reinforced insulation.
	EMC Immunity	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN61000-6-2
	EMC Emission	EN61000-6-4
	Standards Conformity	EN 60204-1 Safety of Electrical Equipment Machines
DIMENSIONS	L x W x H	140 x 120 x 85 mm
	Weight	~ 0.75 kg
CONNECTIONS	Screw Terminal Block	4.0mm ² (30 – 10 AWG)