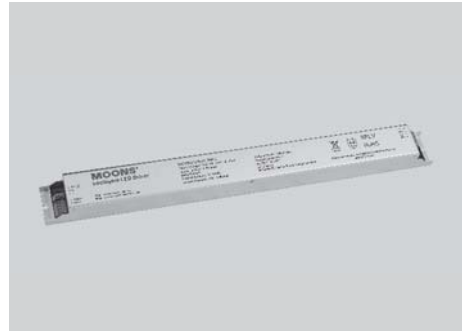


MU100I105AQ_DALI

Features

- Input voltage: 90-305Vac.
- High efficiency: 88% typical
- Active PFC: 0.99 typical
- 1%-100%, continuously adjustable
- Built-in DALI capability, 2ch
- Surge protection
- IP20 compliant
- Protections: OVP, SCP, OTP
- Safety compliant: UL8750, UL1310, CSA-C22.2 No.107.1, IEC61347-1, IEC61347-2-13
- EMI: FCC Part 15 Class B, EN55015 Class B



Electrical Specifications

Input voltage range	90~305 VAC
Frequency	47~63 Hz
Power factor	0.99 at 110VAC 0.95 at 220VAC (typical)
Inrush current	65 A Max (25° C, at 220 VAC, cold start)
Input current	1.2A Max at 110VAC 0.6A Max at 220VAC
Efficiency	88% (typical) at 220VAC maximum load
Maximum power	100W
Line regulation	± 1%
Load regulation	± 3%
Leakage current	0.75mA Max
Protections	Over Voltage, Short Circuit, Over Temperature

Environment Specifications

Operating temperature	-40° C ~ +60° C
Storage temperature	-40° C ~ +85° C
Maximum case temp	90° C
Humidity	5% ~ 100%
Cooling method	Convection
Isolation voltage	I/P-O/P 3750 VAC, I/P-FG 1875 VAC, O/P-FG 500 VAC
MTBF	300,000 hours full load at 25°C ambient
Life time	50,000 hours at 50°C ambient
Reference dimension (L*W*H)	422*39.2*30 (mm)

Safety & EMC Compliance

CUL	UL8750, UL1310, CSA-C22.2 No.107.1
CE	EN61347-1, EN61347-2-13
Conducted emissions	FCC Part15 / EN55015 Class B
Radiated emissions	FCC Part15 / EN55015 Class B
Harmonic current emissions	EN61000-3-2
Voltage fluctuations and flicker	EN61000-3-3
Electrostatic discharge	EN61000-4-2
RFE field susceptibility	EN61000-4-3
Electrical fast transient	EN61000-4-4
Surge immunity test	EN61000-4-5
Conducted radio frequency	EN61000-4-6
Power frequency magnetic field test	EN61000-4-8
Voltage dips	EN61000-4-11
Electromagnetic immunity	EN61547

Model Specifications - Constant Current

Part Nmuber	Output Current	Output Voltage	Voltage Accuracy	Efficiency (typical)	
MU100I105AQ_DALI	200-1050mA	8-54VDC	± 3%	110Vac	220Vac
				86%	88%

Mechanical Outline (unit: mm)

