

PE028/032/038/052 Series - Constant Current Output

Features

- Input voltage range 176 ~ 264VAC
- High efficiency: 90% typical
- Active PFC: 0.95 typical
- IP20 Compliant
- Protections: OVP, SCP
- Comply with UL8750, IEC61347.1, IEC61347-2-13
- CE compliant
- 2-year warranty



95 × 70 × 32 mm

Electrical Specifications

Input voltage range	176~264 VAC
Frequency	47~63 Hz
Power factor	0.95 at 220VAC (typical)
Inrush current	15 A Max (25°C, at 220VAC, cold start)
Input current	0.35A Max at 200VAC
Efficiency	90% (typical) at 220VAC maximum load
Maximum power	52W
Line regulation	± 3%
Load regulation	± 5%
Leakage current	0.3mA Max
Protections	Over Voltage, Short Circuit

Environmental Specifications

Operating temperature	-25°C ~ +55°C
Storage temperature	-40°C ~ +85°C
Maximum case Temp.	80°C
Humidity	20% ~ 90%RH
Cooling method	Convection
Isolation voltage	Input/Output 3750VAC
Vibration	5-55Hz/2g, 30minutes
MTBF	300,000 hours full load and 25°C ambient
Life time	50,000 hours at 35°C ambient
Reference dimension (L × W × H)	95 × 70 × 32 (mm)

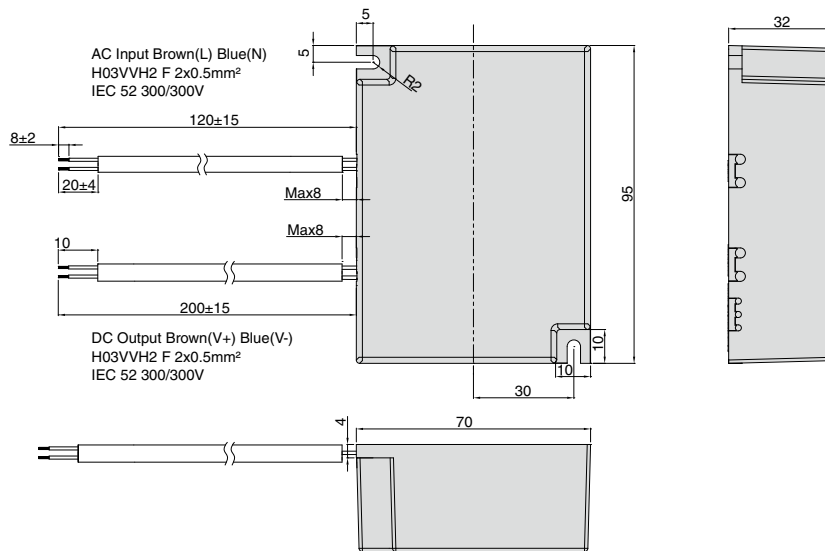
Safety & EMC Compliance

CUL	UL8750
CE	EN 61347-1, EN61347-2-13
Conducted Emissions	EN55015 Class B
Radiated Emissions	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
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 Number	Output Current	Output Voltage	Current Accuracy	Efficiency (typical)
				220VAC
PE028A070AQ	700mA	20-40VDC	± 5%	88%
PE032A080AQ	800mA	20-40VDC	± 5%	89%
PE038A085AQ	850mA	25-45VDC	± 5%	89%
PE052A095AQ	950mA	28-55VDC	± 5%	90%

Mechanical Outline (unit: mm)

numbering
systemLED
driver
- Outdoor
- PU seriesLED
driver
- Outdoor
- MU seriesLED
driver
- Outdoor
- Other seriesLED
driver
- IndoorLED
driver
- Intelligent seriesgeneral
power supplies
- MF seriesgeneral
power supplies
- MS series