

# POE20U560G Series High-Power, Single-Port Injector

## 19.6 WATT POWER OVER ETHERNET ADAPTER

### Product Features

- Fully Compliant Detection, Disconnect, Overload and Voltage Control (IEEE802.3af)
- UNH-IOL Test Report
- Diagnostic LEDs
- Full Protection
  - Overcurrent Protection (OCP)
  - Overvoltage Protection (OVP)
- Nonvented Case



The **POE20U560G** Power over Ethernet (PoE) single port power injector is designed to meet the demanding data rate and power requirements of IP cameras with high-quality streaming video capabilities. The injector offers total output power of 19.6 W, which meets the IEEE 802.3af standard for detection, connection, disconnection, and fault protection.

The **POE20U560G** power injector is compatible with 10/100Base-T systems and systems up to 1000 Mbps. AC input voltage ranges from 90 to 264 VAC with input frequency from 47 to 63 Hz. Maximum output load current is 350 mA and O/P voltage is 56 VDC.

# TECHNICAL SPECIFICATIONS

## MODELS

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| POE20U560G    | High-power, single-port PoE injector                                 |
| POE20U560G-UK | High-power, single-port PoE injector with United Kingdom power cord  |
| POE20U560G-EU | High-power, single-port PoE injector with 220 V, European power cord |

## ELECTRICAL

|                                                   |                                                                                                                                                                          |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input Voltage                                     | 90 to 264 VAC                                                                                                                                                            |
| Input Voltage Rating                              | 100 to 240 VAC                                                                                                                                                           |
| AC Input Current                                  | 0.5 A (RMS) maximum for 90 VAC;<br>0.35 A (RMS) maximum for 240 VAC                                                                                                      |
| Leakage Current                                   | 0.25 mA maximum at 254 VAC, 60 Hz                                                                                                                                        |
| AC Input Frequency                                | 47 to 63 Hz                                                                                                                                                              |
| AC Inrush Current                                 | 15 A (RMS) maximum for 115 VAC;<br>20 A (RMS) maximum for 230 VAC                                                                                                        |
| Total Output Power                                | 19.6 W                                                                                                                                                                   |
| Efficiency                                        | 65% (typical) at maximum load; 120 VAC,<br>60 Hz                                                                                                                         |
| Hold-up Time                                      | 16 milliseconds minimum; 120 VAC and<br>maximum load                                                                                                                     |
| Transient O/P Voltage<br>Protection               | 60 V maximum at switch; on and off at any<br>AC line phase                                                                                                               |
| Over Voltage/Current,<br>Short Circuit Protection | Outputs equipped with short circuit protection<br>and overload protection according to 802.3af<br>specification; the output can be shorted<br>permanently without damage |
| Input Connectors                                  | IEC320 inlet 3-pin                                                                                                                                                       |

## FRONT PANEL INDICATORS/FUNCTIONS

|                                  |       |
|----------------------------------|-------|
| Input Power                      | Green |
| Fault Indicator                  | Red   |
| Valid 802.3af<br>Connection Load | Green |

## ENVIRONMENTAL

|                           |                             |
|---------------------------|-----------------------------|
| Operating Temperature     | 32° to 104°F (0° to 40°C)   |
| Storage Temperature       | −13° to 149°F −25° to 65°C) |
| Maximum Humidity Gradient | 5% to 90%                   |

## CERTIFICATIONS

- CE, Class B
- FCC, Class B

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