

PENT1040A

Universal 40 Watt (IEEE802.3af Non-Compliant)

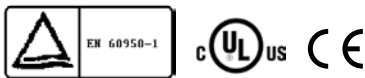


High Power PoE Gigabit Injector

- 10/100/1000 (MbPS) Data Rates
- Self-contained Injector
- 100-250VAC Universal Input
- Desktop Style / Non-vented Case
- IEEE802.3af Non-Compliant
- Power ON LED
- Over Load Shutdown and Short Circuit Protection
- Regulated Output With Low Ripple
- Complies with EMI/RFI Regulations
- CE Compliant



International Safety Standard Approvals



Specifications

Output Specifications

| | | |
|---|----------------|---|
| Combined Line and Load Voltage Regulation | Excluding Cord | ±1% |
| Ripple | | 1% Vp-p max. |
| Transient Response | | 0.5ms for 50% Load Change Typical |
| Protection | | Foldback Overcurrent Protection, Short Circuit Protection |

Input Specifications

| | | |
|------------------------|--|--|
| AC Input Voltage Range | | 100-250VAC -10%, +6% |
| Line Frequency | | 47-63Hz |
| AC Input Current | | 1A max. |
| Protection | | Internal Primary Current Fuse, Inrush Limiting |

Environmental Specifications

| | | |
|---------------------|--|---------------|
| Thermal Performance | Operating Temperature No Derating, Convectional Cooling Non Vented Case | 0° C to 40° C |
| Relative Humidity | Non-Condensing | 5% to 95% |
| Altitude | | 0-10,000 feet |

General Specifications

| | | |
|---------------------------|---------------------------------------|---|
| Topology | | Switching-Fixed Frequency Flyback |
| Dielectric Withstand | Primary-Secondary Secondary-Ground | 3000VAC, 4250VDC 500VDC |
| Spacing | | 5mm Primary-Secondary |
| Leakage Current | | Less than 250 uA |
| Efficiency | | 75.1% min. |
| EMC Information Emissions | FCC Part 15. EN55022. | Class B Class B |
| Harmonic VFF | EN61000-3-2 EN61000-3-3 | |
| ESD | EN61000-4-2. | Level 2 |
| RF EMI | EN61000-4-3. | Level 2 |
| EFT | EN61000-4-4. | Level 2 |
| Surge | EN61000-4-5. | Level 3 |
| CDI | EN61000-4-6. | Level 2 |
| CD | EN61000-4-8. | Level 1 |
| Voltage Dips | EN61000-4-11 | |
| CE | | LVD, EMC, RoHS, WEEE, CE Compliant |
| Hold-up Time | @120VAC | 18ms min. typ. |
| Storage Temp | | -30° C to +85° C |
| Approvals and Standards | Safety | cULus : UL/CSA60950 TUV : EN60950 CE: LVD, EMCD |

PENT1040A

Universal 40 Watt (IEEE802.3af Non-Compliant)

High Power PoE Gigabit Injector

For the most current data and application support visit www.slpower.com

| Ault Part Number | Output Voltage | Output Currents | | Max Watts | Ripple Vp-p max. |
|------------------|----------------|-----------------|--------|-----------|------------------|
| | | Min | Max | | |
| PENT1040A5600F01 | 56 V | 0.00 A | 0.71 A | 40 W | 560 mV |

Ault Part Number Key

| Product Family Name | Number of Outputs | Output Wattage | Configuration Type | Output Voltage | Output Connector | Input Configuration | Standard (no modifications or special packaging) |
|---------------------|-------------------|----------------|--------------------|----------------|------------------|---------------------|--|
| PENT | 1 | 040 | A | 56 | 00 | F | 01 |

Input Configuration



IEC320
w/ground
C14
(F)

General Specifications (continued from p. 1)

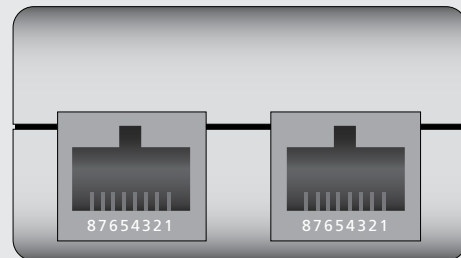
| | | |
|---------------------|------------------|---|
| MTBF | | 100,000 Calculated Hours |
| Weight | (excluding cord) | 7 Ounces, 200 Grams |
| Case and Dimension | | 5.24L x 2.13W x 1.42H (in) 133.0L x 54.0W x 36.0H (mm) |
| Case Material | | Black 94V0 Polycarbonate |
| Cord and Connectors | | Dual RJ45 jacks built into the enclosure |

Personalized PoE

Options (additional costs may apply):

- Custom label artwork
- Custom agency approvals available
- Surge protection (Input & Output)
- Mounting bracket
- Custom PoE modifications

Pin Connections



J2 (Power and Data Out) J1 (Data In)
(Rear of Unit)

PoE Gigabit Pin-out Connections:

| | | |
|------|---------------|-----------------------|
| Data | ← POWER (+) → | Pins 4/5 (Data + PWR) |
| Data | ← → | Pins 1/2 (Data Only) |
| Data | ← → | Pins 3/6 (Data Only) |
| Data | ← POWER (-) → | Pins 7/8 (Data + PWR) |

Note: ← → = Transformer

