



Specifications

Constant Current LED Power Supplies Mini Series-PGAH, IP44, 9W

PAIRUI ELECTRONICS

No. 545 Museum Road
Yangzhou, Jiangsu
China 225009

Tel: 86 (514) 8279 1592

Fax: 86 (514) 8769 3159

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LED Power Supplies for Indoor Use

PGAH SERIES, 9WATT, IP44 RATING

Features

- 3 Year Warranty
- High Input Voltage Range: 220~240Vac
- Constant Current Output Mode
- Waterproof Rating IP44
- Class II Power, no FG
- Short Circuit, Over load, No-load, Over temperature Protection



Applications

- ✓ Panel Light
- ✓ Cabinet Light
- ✓ Down Light
- ✓ Other Indoor used Lights
- ✓ Recessed Light

Electrical

| Part Number | Output Power | Output Current | Output Voltage | Efficiency | Certificate |
|--------------------|--------------|----------------|----------------|------------|-------------|
| PGAH009C0150NSLPP1 | 9W | 150mA | 43-60V | 80% | CE TUV SAA |
| PGAH009C0180NSLPP1 | 8.1W | 180mA | 30-45V | 80% | CE TUV SAA |
| PGAH009C0200NSLPP1 | 9W | 200mA | 30-45V | 80% | CE TUV SAA |
| PGAH009C0250NSLPP1 | 9W | 250mA | 20-36V | 80% | CE TUV SAA |
| PGAH009C0300NSLPP1 | 9.6W | 300mA | 20-32V | 80% | CE TUV SAA |
| PGAH009C0350NSLPP1 | 9.5W | 350mA | 15-27V | 80% | CE TUV SAA |
| PGAH009C0400NSLPP1 | 9.6W | 400mA | 12-24V | 80% | CE TUV SAA |
| PGAH009C0500NSLPP1 | 9.5W | 500mA | 12-19V | 80% | CE TUV SAA |
| PGAH009C0600NSLPP1 | 9W | 600mA | 8-15V | 80% | CE TUV SAA |
| PGAH009C0700NSLPP1 | 9.1W | 700mA | 8-13V | 80% | CE TUV SAA |

NOTE: Other output models are may available on request.

INPUT

| PARAMETER | CONDITIONS | MIN | TYP | MAX | UNIT S |
|---------------------------|-------------------|-----|-----|------|--------|
| Rated Input Voltage | | 220 | | 240 | VAC |
| Range Of Input Voltage | | 198 | | 264 | VAC |
| Frequency | | 50 | | 60 | Hz |
| Input Current | 198VAC, full load | | | 0.1 | A |
| Input Power | 230VAC, full load | | | 11.5 | W |
| Power factor(PF) | 230VAC, full load | 0.5 | | | |
| No-Load Power Consumption | | | | 0.5 | W |

OUTPUT

| PARAMETER | CONDITIONS | MIN | TYP | MAX | UNITS |
|--------------------|-------------------|-----|-----|-----|-------|
| Current Accuracy | | | ±5 | | % |
| Max. Output Power | | | | 9.6 | W |
| Started Delay Time | 230VAC, full load | | | 0.5 | s |
| Current Ripple | | | | ±7 | % |

Protection

| | |
|-----------------------|-----------------------|
| Short circuit | Auto Recovery |
| Over load | Auto Recovery |
| No-load | Auto Recovery |
| Insulation voltage | I/P to O/P,3KVac/1min |
| Insulation resistance | >100M ohm/500VDC |
| Leakage current | I/P to O/P <0.75mA |

Environment

| PARAMETER | CONDITIONS | MIN | TYP | MAX | UNITS |
|--------------------------|------------|-----|-----|-----|-------|
| Ta/Operation Temperature | | -20 | | +45 | °C |
| Ts/Storage Temperature | | -20 | | 85 | °C |
| Tc/Enclosure Temperature | | | | 75 | °C |
| Humidity | | 10 | | 90 | %RH |

Construction

| | |
|---------------------------|---|
| Connection Method | Wire connection |
| Installation | Build-in |
| Input wire specification | Double-insulated conductor Copper clad head 7mm |
| Output wire specification | UL1015 22AWG insulated conductor |
| Dimension | 54*30*20mm |

Others

| | |
|-----------|---------------------------|
| RoHS | Complied to 2011/65/EU |
| Life Time | 30000h @45°C(Ta)/85°C(Tc) |
| Warranty | 3years |

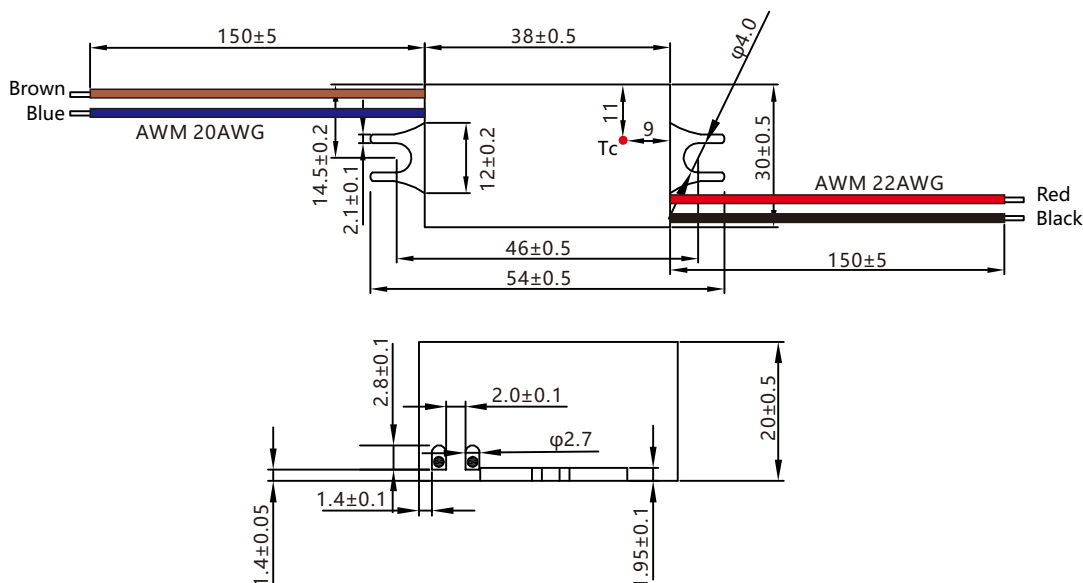
Standards

| | |
|------------------|---|
| Safety Standards | EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015, AS/NZS IEC61347.2.13:2013, AS/NZS 61347.1:2016, GB19510.1-2009 |
| EMC Standards | EN55015:2013/A1:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN61547:2009, GB/T17743.2017 |
| Surge | L-N/2KV |
| Performance | EN 62384 |

Remark:

1. Unless otherwise specified, all specification parameters are measured at input voltage of 230VAC, rated load and ambient temperature of 25°C.
2. Power supply is considered as a component and used in combination with terminal equipment, because EMC is affected by the whole set of equipment, the manufacturer of terminal equipment needs to re-emc confirm the whole set of equipment.

Mechanical



Unit: mm

Packing information

| Carton L*W*H(mm) | Pcs Carton | Net weight Pcs(kg) | Net weight Carton(kg) | Gross weight Carton(kg) |
|---------------------|---------------|-----------------------|--------------------------|----------------------------|
| 620*260*185 | 420 | 0.035 | 14.7 | 16.2 |

Electrical Curve

