

Switched Mode Power Supply

- Excellent Load & Line Regulation
- High Noise Immunity & Low Ripple
- No Load Power Consumption of less than 0.5W
- Overload & Short Circuit Protection
- High Efficiency of Operation
- Suitable for Temperatures upto 55°C
- Small Form Factor
- Peak Power Capacity



| Cat. No. | 24AS244D6D | 24AS126D6D | |
|-------------------------------------|---|---------------------------------|---------------------------------|
| Parameters | | | |
| Supply Voltage (φ) | 230 VAC | | |
| Supply Variation | -30% to +15% | | |
| Frequency | 50 Hz | | |
| Power Consumption @ No Load | 0.5W Max. @ 230 VAC | | |
| AC Current | 0.8A / 230 VAC | 0.62A / 230 VAC | |
| Efficiency | > 85% | > 80% | |
| Inrush Current | Cold Start 50A / 230 VAC | | |
| Leakage Current | < 0.2μA / 230 VAC | | |
| Output | Voltage | 24 VDC | 12 VDC |
| | Rated Current | 4A | 6A |
| | Current Range | 0 - 4A | 0 - 6A |
| | Rated Power | 96W | 72W |
| | Output Voltage Accuracy | ± 1% | |
| | Line Regulation | 1% | |
| | Load Regulation | 1% | |
| | Ripple & Noise | 150 mV (P-P) | 100 mV (P-P) |
| | Over Voltage Protection | 26V ~ 33 V | 13V ~ 16 V |
| | Over Load Capacity | 168% of rated output (Max. 10s) | 130% of rated output (Max. 10s) |
| Continuous Open Circuit | Normal Operation | | |
| Over Current Protection | Voltage Drop | | |
| Continuous Short Circuit Protection | Auto Recovery after fault condition is removed | | |
| Start Up Time | 3s Max. (At minimum input voltage and rated load) | | |
| Hold Up Time | 30ms Min. (At minimum input voltage and rated load) | | |
| Withstand Voltage | Input to Output 3 KV AC for 1 Minute, 5 mA | | |
| LED Indications | Green LED: Output ON | | |
| Operating Temperature | -10°C to + 55°C | | |
| Storage Temperature | -25°C to + 85°C | | |
| Enclosure | Flame Retardant UL94-V0 | | |
| Dimension (W x H x D) (in mm) | 105 X 90 X 58 | | |
| Weight (unpacked) | 350 g | | |
| Mounting | Base / DIN Rail | | |
| Certification |   | | |
| EMI / EMC | | | |
| Harmonic Current Emissions | IEC 61000-3-2 | Ed. 3.0 (2005-11) Class A | |
| ESD | IEC 61000-4-2 | Ed. 1.2 (2001-04) Level II | |
| Radiated Susceptibility | IEC 61000-4-3 | Ed. 3.0 (2006-02) Level III | |
| Electrical Fast Transients | IEC 61000-4-4 | Ed. 2.0 (2004-07) Level IV | |
| Surges | IEC 61000-4-5 | Ed. 2.0 (2005-11) Level IV | |
| Conducted Susceptibility | IEC 61000-4-6 | Ed. 2.2 (2006-05) Level III | |
| Voltage Dips & Interruptions (AC) | IEC 61000-4-11 | Ed. 2.0 (2004-03) All 7 Levels | |
| Conducted Emission | CISPR 14-1 | Ed. 5.0 (2005-11) Class A | |
| Radiated Emission | CISPR 14-1 | Ed. 5.0 (2005-11) Class A | |

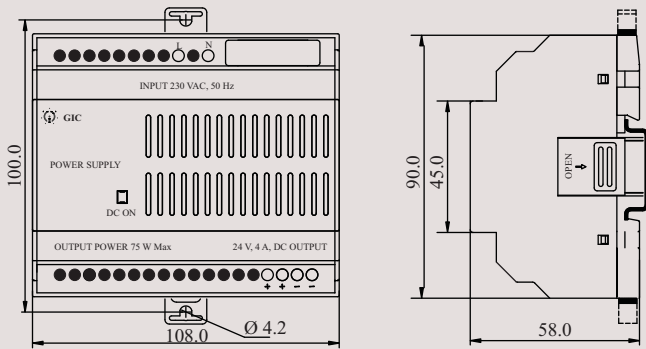
ORDERING INFORMATION

| Cat. No. | Description | Codigo NDU |
|------------|--|-------------|
| 24AS244D6D | 230V AC, 24 VDC / 4A, Switched Mode Power Supply | 610924040GI |
| 24AS126D6D | 230V AC, 12 VDC / 6A, Switched Mode Power Supply | 610912060GI |
| 24BS241D2F | 110 - 240 VAC, 24 VDC / 1A, Switched Mode Power Supply | 610924010GI |
| 24BS24AD4E | 110 - 240 VAC, 24 VDC / 2.5A, Switched Mode Power Supply | 610924025GI |
| 24BS24BD1F | 110 - 240 VAC, 24 VDC / 0.5A, Switched Mode Power Supply | 610924005GI |
| 24BS051D1F | 110 - 240 VAC, 5 VDC / 1.0A, Switched Mode Power Supply | 610905010GI |

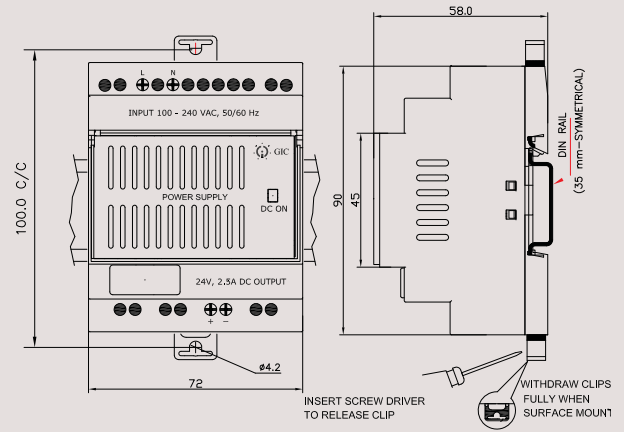
Switched Mode Power Supply



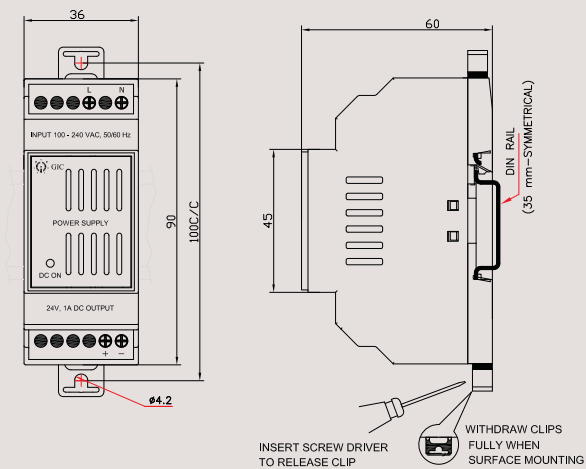
MOUNTING DIMENSIONS (mm)



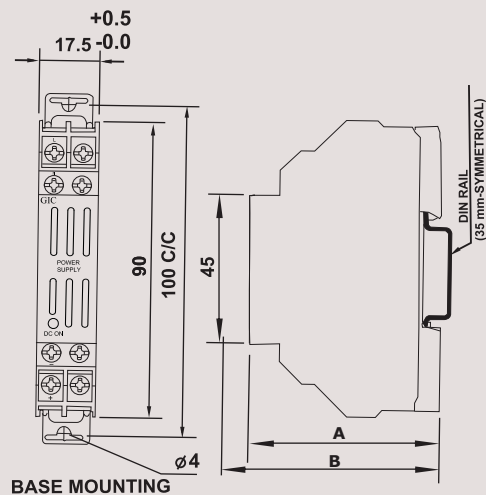
24AS244D6D, 24AS126D6D



24BS244D4E





24BS241D2F



BASE MOUNTING

24BS24BD1F, 24BS051D1F

TERMINAL TORQUE & CAPACITY

| | |
|---|--|
|  Ø 3.5...5.0 mm | Torque - 1.1 N.m (10 Lb.in) Terminal screw - M3.5 |
|  | Solid Wire - 2 X 0.2...2.5 mm ² |
| AWG | 1 X 24 to 10 |