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
- Compact Design with DIN Mounting

Ordering Information

Cat. No.	Description
24AS244D6D	96W, 230V AC, 24 VDC / 4A, Switched Mode Power Supply
24AS126D6D	72W, 230V AC, 12 VDC / 6A, Switched Mode Power Supply
24BS24AD4E	60W, 110 - 240 VAC, 24 VDC / 2.5A, Switched Mode Power Supply
24BS241D2F	24W, 110 - 240 VAC, 24 VDC / 1A, Switched Mode Power Supply
24BS24BD1F	12W, 110 - 240 VAC, 24 VDC / 0.5A, Switched Mode Power Supply
24BS121D2F	12 W, 110 - 240 VAC, 12 VDC / 1.0A, Switched Mode Power Supply
24BS101D2F	10 W, 110 - 240 VAC, 10 VDC / 1.0A, Switched Mode Power Supply
24BS051D1F	5W, 110 - 240 VAC, 5 VDC / 1.0A, Switched Mode Power Supply

Switched Mode Power Supply

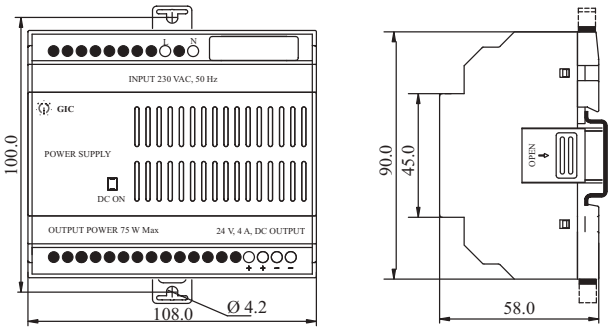
Cat. No.		24AS244D6D	24BS24AD4E
Parameters			
Supply Voltage (⏚)		230 VAC	110-240V AC
Supply Variation		-30% to +15%	
Frequency		50 Hz	
Power Consumption @ No Load		0.5W Max. @ 230 VAC	
AC Current		0.8A / 230 VAC	1.3A/115VAC & 0.7A/230VAC
Efficiency		> 85%	
Inrush Current		Cold Start 50A / 230 VAC	
Leakage Current		< 0.2µA / 230 VAC	
Output	Voltage	24 VDC	
	Rated Current	4A	2.5A
	Current Range	0 - 4A	0 - 2.5A
	Rated Power	96W	60W
	Output Voltage Accuracy	± 1%	
	Line Regulation	1%	
	Load Regulation	1%	
	Ripple & Noise	150 mV (P-P)	
	Over Voltage Protection	26V ~ 33 V	26V ~ 38V
	Over Load Capacity	168% of rated output (Max.10s)	160% 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)		108 X 90 X 58	90 X 58 X 72
Weight (unpacked) Approx.		350 g	260 g
Mounting		Base / DIN Rail	
Certification		CE RoHS Compliant	

EMI / EMC

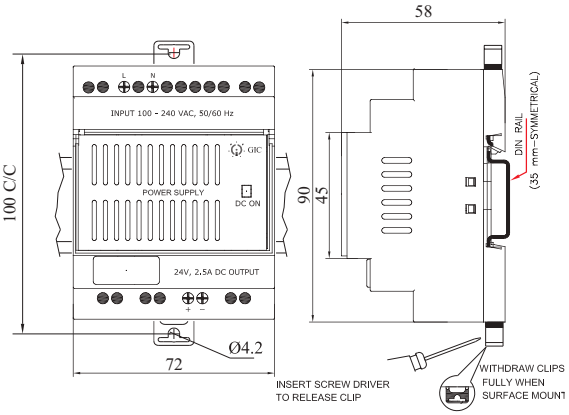
Harmonic Current Emissions	IEC 61000-3-2
ESD	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transients	IEC 61000-4-4
Surges	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Voltage Dips & Interruptions (AC)	IEC 61000-4-11
Conducted Emission	CISPR 14-1
Radiated Emission	CISPR 14-1

Switched Mode Power Supply

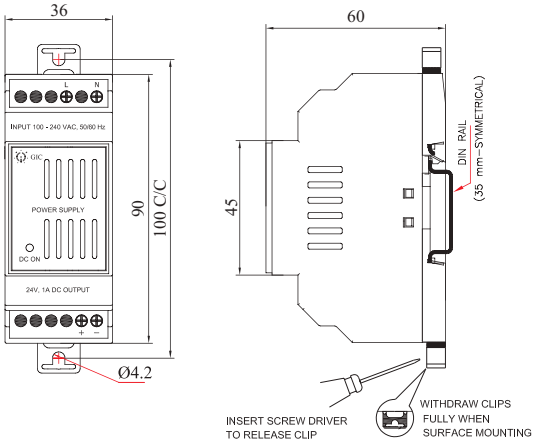
MOUNTING DIMENSIONS (mm)



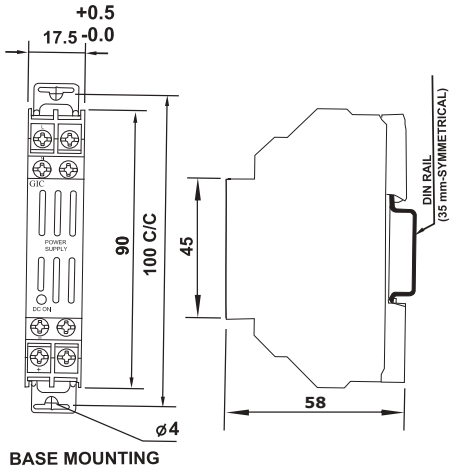
24AS244D6D, 24AS126D6D



24BS24AD4E



24BS241D2F, 24BS121D2F, 24BS101D2F



24BS24BD1F, 24BS051D1F

TERMINAL TORQUE & CAPACITY

Ø 3.5	0.54 N.m (6 Lb.in)
	1 x 2.5 mm^2 Solid Wire/Stranded
AWG	1 x 24 to 12

24AS244D6D, 24AS126D6D, 24BS24AD4E, 24BS241D2F, 24BS121D2F, 24BS101D2F

Ø 3.5 mm....5.0mm	0.80 N.m (7.1 Lb.in)
	2 x 2.5 mm^2 Solid/Stranded Wire
AWG	2 x 20 to 14

24BS24BD1F, 24BS051D1F