10A DC Power Supply

General Information

Brand: GIC

Products type: DC Power Supplies are used to provide an extra low voltage power source to system elements that humans are in regular contact with, or are mounted on exposed metal surfaces, such as pushbuttons and pilot lights.

Suitable For: With a 10A output, these models are ideal for industrial control applications with higher power requirements such as contactor coils or actuators.

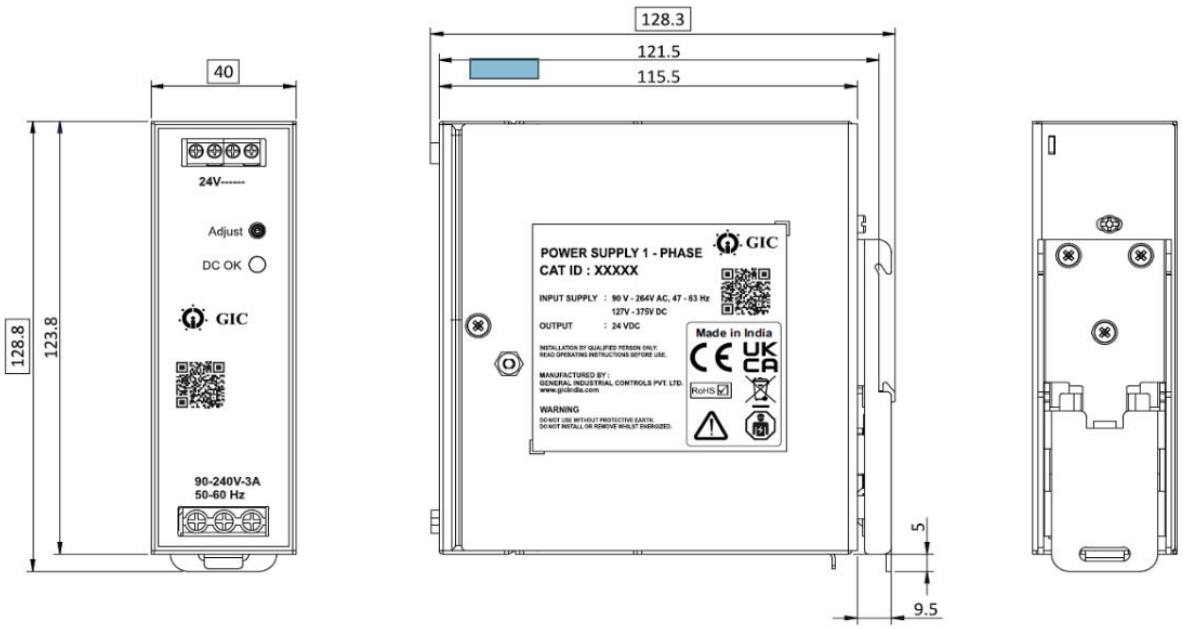
Specifications

Technical Characteristic	Value
Supply Voltage	90V to 264V AC, 127V to 375V DC
Frequency Range	47 to 63Hz
Efficiency	90%
Input Current	2.5A @ 115VAC – 1.3A @ 230VAC
Inrush Current	20A @ 115VAC – 40A @ 230VAC
No Load Power Consumption	⟨2W@230VAC
Normal Output Voltage	24VDC
Output DC Voltage Range	22V to 28VDC
Output Current	10A @ 24VDC
Output Power	240W
Line & Load Regulation	± 0.5%
Output Ripple & Noise	150mV Max
Start Up Time	500ms @ 230VAC
Rise Time	20ms @ 115VAC (100% load)
Hold-Up Time	30ms @ 230VAC
Dynamic Response	± 10% @ 230VAC, 10-100% load (Slew Rate 2.5A/µs, 50% duty cycle @ 5Hz & 10kHz)
Start-up with Capacitive Loads	8000µF Max

Specifications (Continued)

Technical Characteristic	Value
Overvoltage Protection	28.8 – 33.6V Output voltage turn off. Restart power to turn on.
Output Overload	105% - 120% Overload, Auto-recovery
Overtemperature	Output voltage turn off. Restart power to turn on.
Short Circuit	Hiccup mode, recovers automatically after fault recovery.
Protection against shock	Class 1 with protective earth connection
Input Fuse	4A 250VAC Internal
Recommended Feed MCB	6 – 16A C Curve
Operating Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Overvoltage Category	II
Pollution Degree	2
Unit Weight	620g
Connection	0.25 – 6mm2 Input, 0.25 – 4mm2 Output

Part Numbers

Rating	Part Number
24V 10A	PS240W24V

Dimension Diagrams