

DC POWER SUPPLY

(maintenance forecast monitor function)

MODEL **MDC5**

MODEL & SUFFIX CODE SELECTION

MODEL _____ **MDC5-06024A-M2**
 CAPACITY _____
 060: 60W
 OUTPUT VOLTAGE _____
 24 : 24V DC
 MONITOR _____
 A : Maintenance forecast monitor function
 POWER INPUT _____
 M2 : 100 – 240V AC

ORDERING INFORMATION

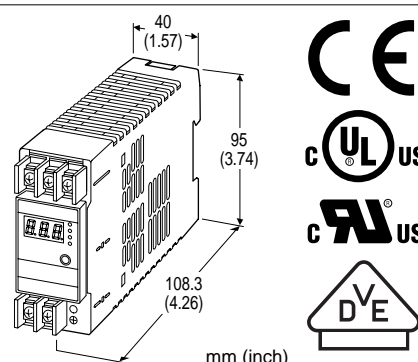
Specify code number. (e.g. MDC5-06024A-M2)

GENERAL SPECIFICATIONS

Construction: Front terminal access; terminal cover provided
Connection: M4 screw terminals
 (nickel-plated steel; torque 1.08 N·m)
Housing material: Polycarbonate
Power fuse: 250V AC @3.15A incorporated

SUPPLY OUTPUT

Output voltage: 24V DC -10/+15%; adjustable on the front (ripple 2.0% p-p max.)
Load current: ≤2.5A
Overload protection: Voltage drop characteristics (105%)
Overload detecting: 105% of the rated current



Functions & Features

- Accepts 100 – 240V AC and provides regulated 24V DC output
- Maintenance forecast monitor function

INSTALLATION

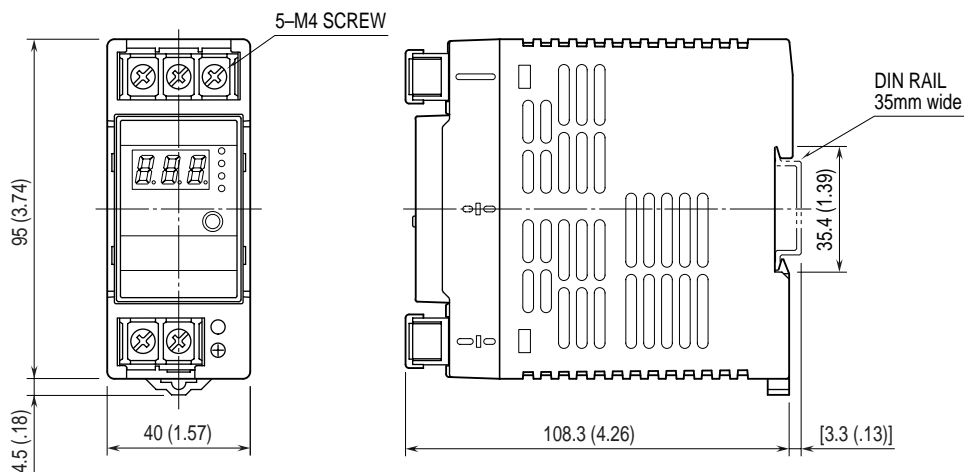
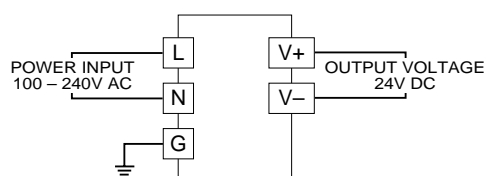
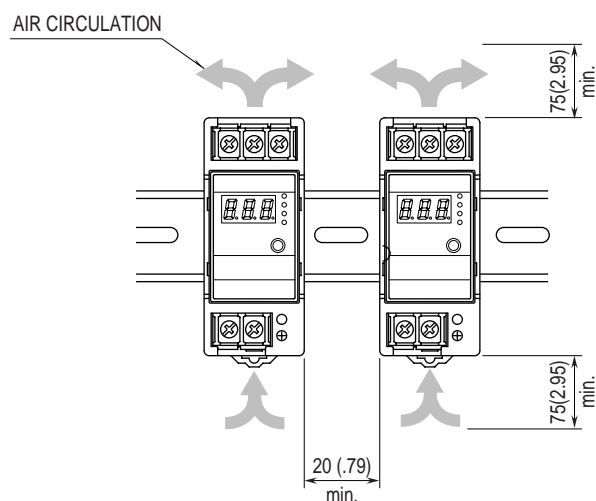
Power input: Operational voltage range 85 – 264V AC
Operating temperature: 0 to 50°C (32 to 122°F)
Operating humidity: 25 to 85% RH (non-condensing)
Mounting: DIN rail
Dimensions: W40×H99.5×D108.3 mm
 (1.57"×3.92"×4.27")
Weight: 330 g (0.73 lbs)
 *Including the track stopper (max. 110 mm (4.33) with the stopper extended)

PERFORMANCE

Temp.coefficient: ±0.05%/°C (±0.03%/°F)
Load effect: ≤1.9%
Line voltage effect: ±0.5% over voltage range
Insulation resistance: ≥100MΩ with 500V DC
 (output to power input or ground)
Dielectric strength: 3000V AC @1 minute
 (output to power input)
 2000V AC @1 minute
 (power input to ground)
 1000V AC @1 minute
 (output to ground)

STANDARDS & APPROVALS

CE conformity: EMC Directive (89/336/EEC)
 EN61204-3 (Class A)
 Low Voltage Directive (73/23/EEC)
 EN50178
 EN60950-1
Approval: UL 508 (Class 2; per UL 1310)
 CAN/CSA C22.2 No.14
 UL 60950-1 (Class 2)
 CAN/CSA C22.2 No.60950-1
 VDE1060, VDE0805

EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENT mm (inch)**CONNECTION DIAGRAM****MOUNTING REQUIREMENTS mm (inch)**

Heat dissipation is important to ensure the power supply's long-term reliability.
The power supply is designed to radiate heat by means of natural air flow. Install the power supply so that the air flow circulates around it.