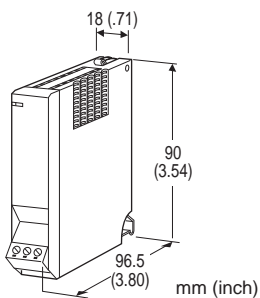


POWER SUPPLY MODULE

Functions & Features

- Supplying power to M6D, M6N, M6S series signal conditioners through an installation base (model: M6xBS-08A)
- Universal AC power input
- Power indicator LED
- CE marking



MODEL: M6-PSM

ORDERING INFORMATION

- Code number: M6-PSM

POWER INPUT

AC Power

100 - 240 V AC (Operational voltage range 90 - 264 V,
47 - 66 Hz)

RELATED PRODUCTS

- Euro Terminal Ultra-Slim Signal Conditioners M6D Series
- Screw Terminal Ultra-Slim Signal Conditioners M6N Series
- Tension-Clamp Ultra-Slim Signal Conditioners M6S Series

GENERAL SPECIFICATIONS

Connection

Input: Plug-in terminal, Wire size AWG24-12 (0.2 to 2.5 mm²)

Output: Via the Installation Base (model: M6xBS-08A)

Housing material: Flame-resistant resin (black)

Isolation: Internal power to power input

Power LED: Green light turns on when the power is supplied.

INSTALLATION

Power Consumption

•AC Power input:

Approx. 25 VA at 100 V

Approx. 30 VA at 200 V

Approx. 35 VA at 264 V

Operating temperature: -20 to +55°C (-4 to +131°F)

Operating humidity: 30 to 90 %RH (non-condensing)

Mounting: Installation Base (model: M6xBS-08A)

Weight: 200 g (0.44 lbs)

PERFORMANCE

Output: 24 V ±1 V DC, 400 mA (continuance)

Arrange in order that the total current consumed by the signal conditioners is within this capacity.

Insulation resistance: ≥ 100 MΩ with 500 V DC

Dielectric strength: 2000 V AC @1 minute (internal power to power input to ground)

STANDARDS & APPROVALS

CE conformity:

EMC Directive (2004/108/EC)

EN 61000-6-4 (EMI)

EN 61000-6-2 (EMS)

Low Voltage Directive (2006/95/EC)

EN 61010-1

Installation Category II

Pollution Degree 2

Max. operating voltage 300 V

Power input to internal power, Reinforced insulation.

CURRENT CONSUMPTION

When the M6x signal conditioners are operated with DC voltage (24 V DC) supplied by the power module, arrange it in order that the total current consumed by the signal conditioners is within the capacity.

M6DCTC, M6NCTC, M6SCTC 25 mA

M6DDY, M6NDY, M6SDY 50 mA

M6DPA, M6NPA, M6SPA 25 mA

M6DPP, M6NPP, M6SPP 50 mA

M6DVF, M6NVF, M6SVF 30 mA

M6DVS, M6NVS, M6SVS 25 mA

M6DWVS, M6NWVS, M6SWVS 30 mA

M6DXAR, M6NXAR, M6SXAR 25 mA

M6DXAS, M6NXAS, M6SXAS 25 mA

M6DXAT, M6NXAT, M6SXAT 25 mA

M6DXF1, M6NXF1, M6SXF1 25 mA

M6DXF2, M6NXF2, M6SXF2 25 mA

M6DXF3, M6NXF3, M6SXF3 25 mA

M6DXM, M6NXM, M6SXM 25 mA

M6DXR, M6NXR, M6SXR 25 mA

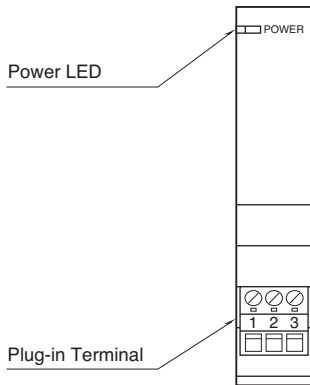
M6DXT, M6NXT, M6SXT 25 mA

M6DXU, M6NXU, M6SXU 25 mA

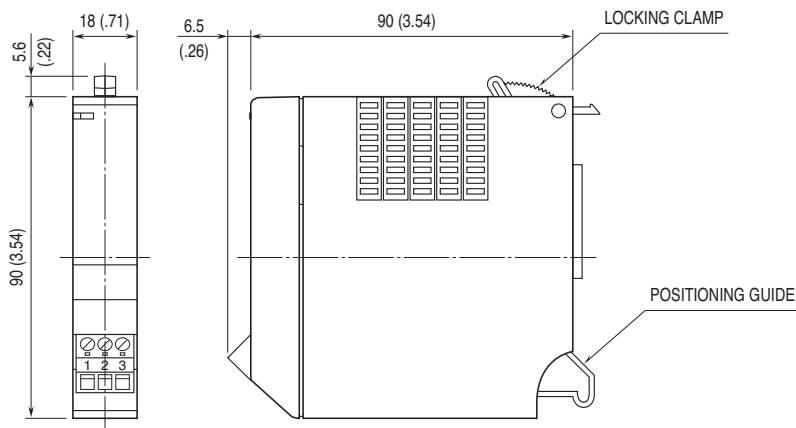
M6DXV, M6NXV, M6SXV 25 mA

M6DYV, M6NYV, M6SYV 21 mA

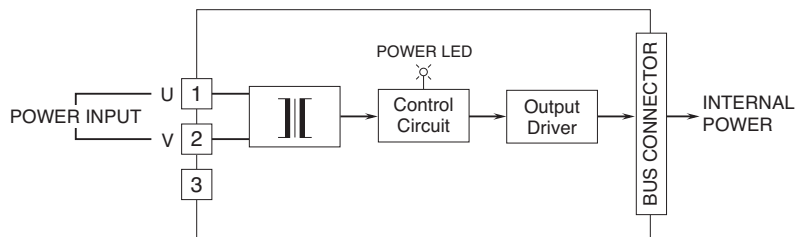
EXTERNAL VIEW



EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm (inch)



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.