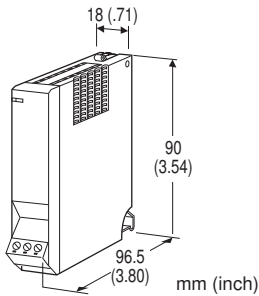


POWER SUPPLY MODULE

(for AC power use)

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



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

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

Internal power: 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:

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 lb)

PERFORMANCE

Output: 24 V $\pm$ 1 V DC, 400 mA (continuance)

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

Insulation resistance: $\geq$ 100 M Ω 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)

EMI EN 61000-6-4: 2007

EMS EN 61000-6-2: 2005

Low Voltage Directive (2006/95/EC)

EN 61010-1: 2001

Installation Category II

Pollution Degree 2

Internal power to power input:

Reinforced insulation (300 V)

CURRENT CONSUMPTION

In order to operate M6x signal conditioners, it is required that total maximum current of the signal conditioners is not more than continuous output current of M6-PSM.

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

M6DXAP, M6NXAP, M6SXAP 50 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

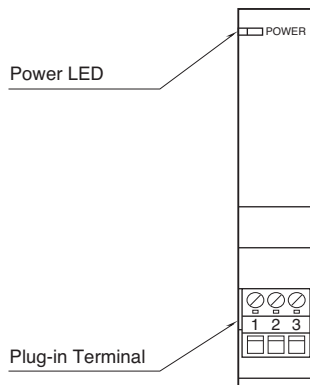
M6DXT, M6NXT, M6SXT 25 mA

M6DXU, M6NXU, M6SXU 25 mA

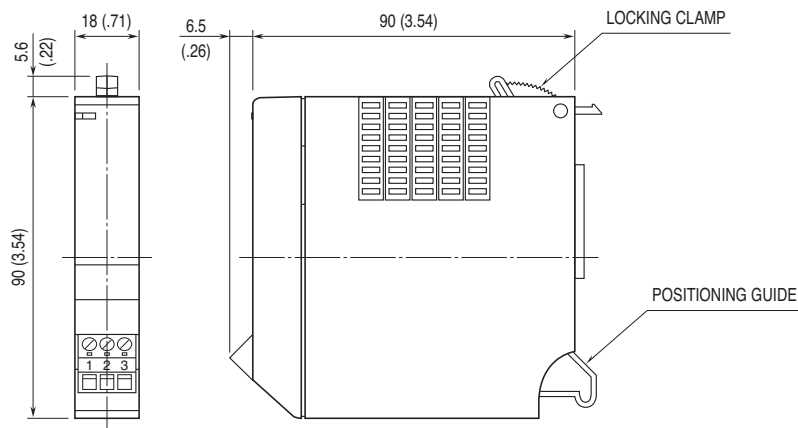
M6DXV, M6NXV, M6SXV 25 mA

M6DYV, M6NYV, M6SYV 21 mA

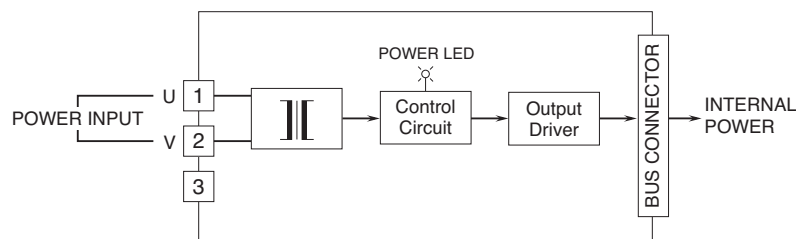
EXTERNAL VIEW



EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm (inch)



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.