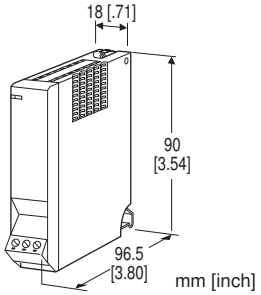
POWER SUPPLY MODULE

(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



CE

MODEL: M6-PSM[1]/MI

ORDERING INFORMATION

• Code number: M6-PSM[1]/MI
Specify a code from below for [1].
(e.g. M6-PSM/Q)
• Specify the specification for option code /Q
(e.g. /C01)

POWER INPUT

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

[1] OPTIONS

blank: none
/Q: With options (specify the specification)

SPECIFICATIONS OF OPTION: Q

COATING
/C01: Silicone coating
/C02: Polyurethane coating

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: Euro type connector terminal,
Applicable wire size: 0.2 - 2.5 mm^2 (AWG24 - 12), Stripped length 7 mm
24 V DC power: Via the Installation Base (model: M6xBS-08A)
Housing material: Flame-resistant resin (black)
Isolation: 24 V DC power to power input
Power indicator LED: Green LED 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 ±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 (24 V DC power to power input to ground)

STANDARDS & APPROVALS

EU conformity:
EMC Directive
EMI EN 61000-6-4
EMS EN 61000-6-2
Low Voltage Directive
EN 61010-1
Installation Category II
Pollution Degree 2
24 V DC power to power input:
Reinforced insulation (300 V)
RoHS Directive

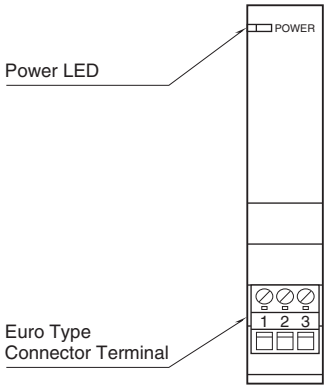
CURRENT CONSUMPTION

In order to operate M6x signal conditioners, it is required that the total maximum current of the signal conditioners is not more than the continuous output current (400mA) of M6 -PSM.

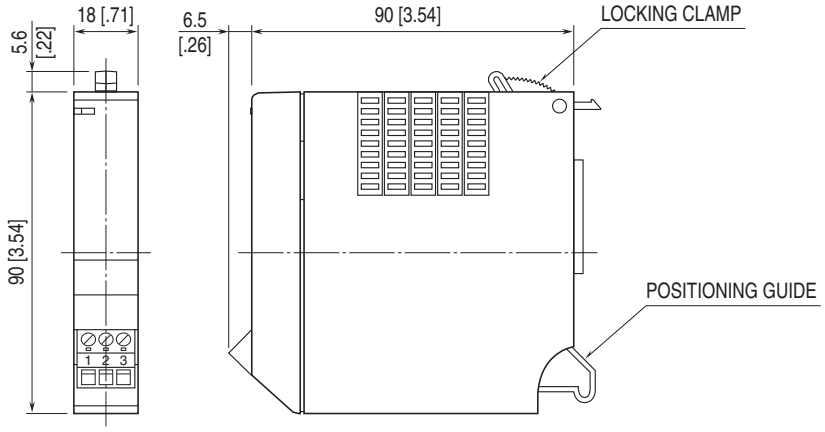
If the power supply (24V DC) of M6-PSM goes insufficient, take some measures, such as changing the combination of signal conditioners or reducing the number of them mounted.

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

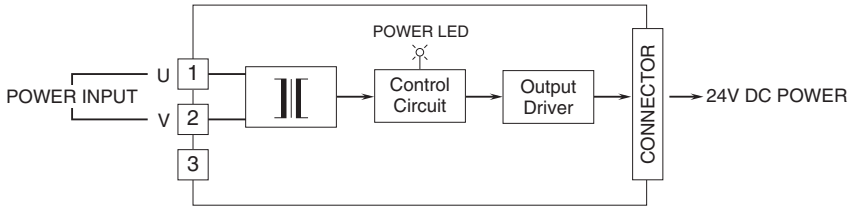
EXTERNAL VIEW



EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm [inch]



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



⚠ Specifications are subject to change without notice.