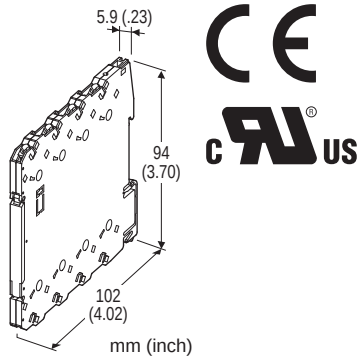
Tension-Clamp Ultra-Slim Signal Conditioners M6S Series

POWER SUPPLY MODULE

Functions & Features
- Maintenance-free tension clamp connection
- Supplies power to the M6S modules mounted on the Installation Base
- High-density mounting
- Power indicator LED



MODEL: M6SPS1–R[1]

ORDERING INFORMATION

- Code number: M6SPS1-R[1]

Specify a code from below for [1].
(e.g. M6SPS1-R/UL/Q)
- Specify the specification for option code /Q
(e.g. /C01)

POWER INPUT

DC Power

R: 24 V DC
(Operational voltage range 22 – 27 V, ripple 10 %p-p max.)

[1] OPTIONS (multiple selections)

Standards & Approvals

blank: CE marking
/UL: UL approval, CE marking

Other Options

blank: none
/Q: Option other than the above (specify the specification)

SPECIFICATIONS OF OPTION: Q

COATING (For the detail, refer to M-System's web site.)

/C01: Silicone coating
/C02: Polyurethane coating

GENERAL SPECIFICATIONS

Connection: Tension clamp
Applicable wire size: 0.2 to 2.5 mm^2, stripped length 8 mm
Housing material: Flame-resistant resin (black)
Power LED: Green light turns on when the power is supplied.

INSTALLATION

Power input: 2 A (Total current consumed by signal conditioners on the base must be 2 A or less.)
Operating temperature: -20 to +55°C (-4 to +131°F)
Operating humidity: 30 to 90 %RH (non-condensing)
Mounting: Installation Base (model: M6SBS)
Weight: 60 g (2.1 oz)

PERFORMANCE

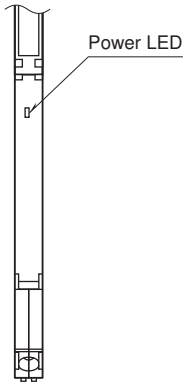
Insulation resistance: ≥ 100 MΩ with 500 V DC
Dielectric strength: 2000 V AC @1 minute (power to ground)

STANDARDS & APPROVALS

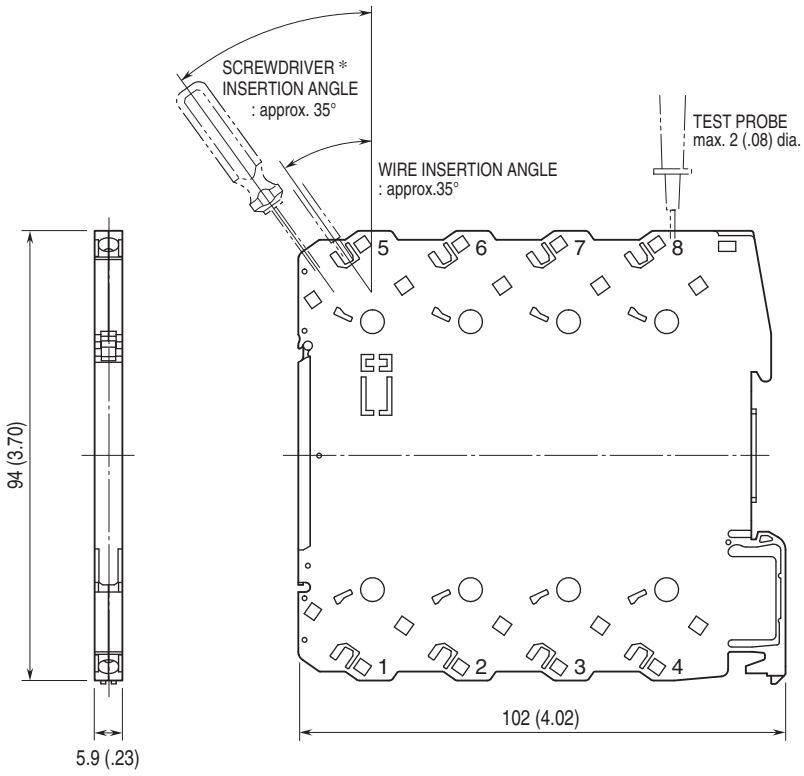
EU conformity:
EMC Directive
EMI EN 61000-6-4
EMS EN 61000-6-2
RoHS Directive
EN 50581
Approval:
UL/C-UL nonincendive Class I, Division 2, Groups A, B, C, and D hazardous locations (ANSI/ISA-12.12.01, CAN/CSA-C22.2 No.213)
UL/C-UL general safety requirements (UL 61010-1, CAN/CSA-C22.2 No.61010-1)

EXTERNAL VIEW

(With the cover open)

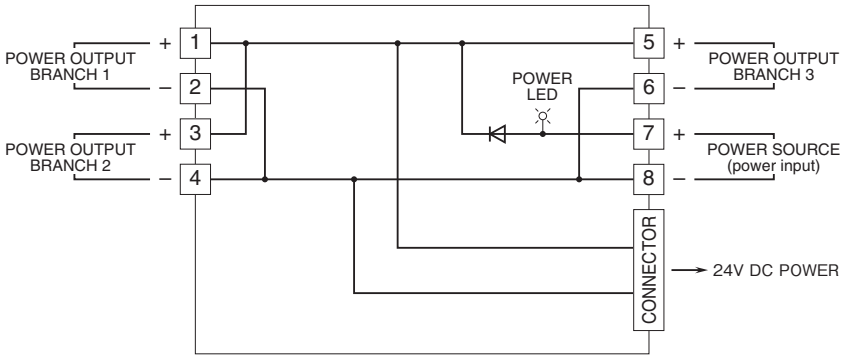


EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm (inch)



*Use a minus screwdriver: tip width 3.8 mm max., tip thickness 0.5 to 0.6 mm

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



⚠ Specifications are subject to change without notice.