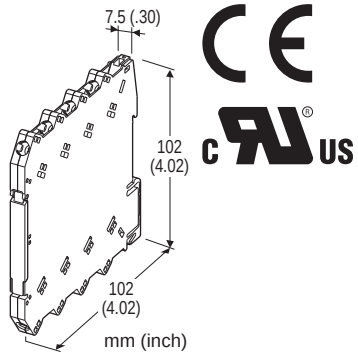
Screw Terminal Ultra-Slim Signal Conditioners M6N Series

POWER SUPPLY MODULE

(dual redundant)

Functions & Features

- Supplies power to the M6N modules mounted on the Installation Base
- High-density mounting
- Power indicator LED
- UL approval



MODEL: M6NPS2-R[1]

ORDERING INFORMATION

- Code number: M6NPS2-R[1]

Specify a code from below for [1].
(e.g. M6NPS2-R/UL)

POWER INPUT

DC Power

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

[1] OPTIONS

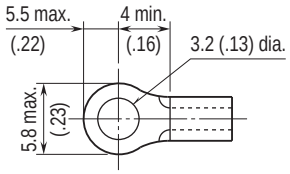
STANDARDS & APPROVALS

blank: CE marking
/UL: UL approval (CE marking)

GENERAL SPECIFICATIONS

Connection: M3 screw terminal (torque 0.5 N·m)
Recommended solderless terminal: Max. 5.8 mm (0.23") wide; Ones with insulation sleeve do not fit.
Applicable wire size 0.2 – 2.5 mm^2
Housing material: Flame-resistant resin (black)
Power LED: Green light turns on when the power is supplied.

■Recommended solderless terminal



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: M6NBS)
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

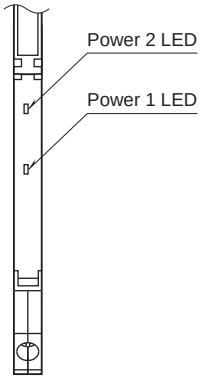
CE conformity:
EMC Directive (2004/108/EC)
EN 61000-6-4 (EMI)
EN 61000-6-2 (EMS)

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)

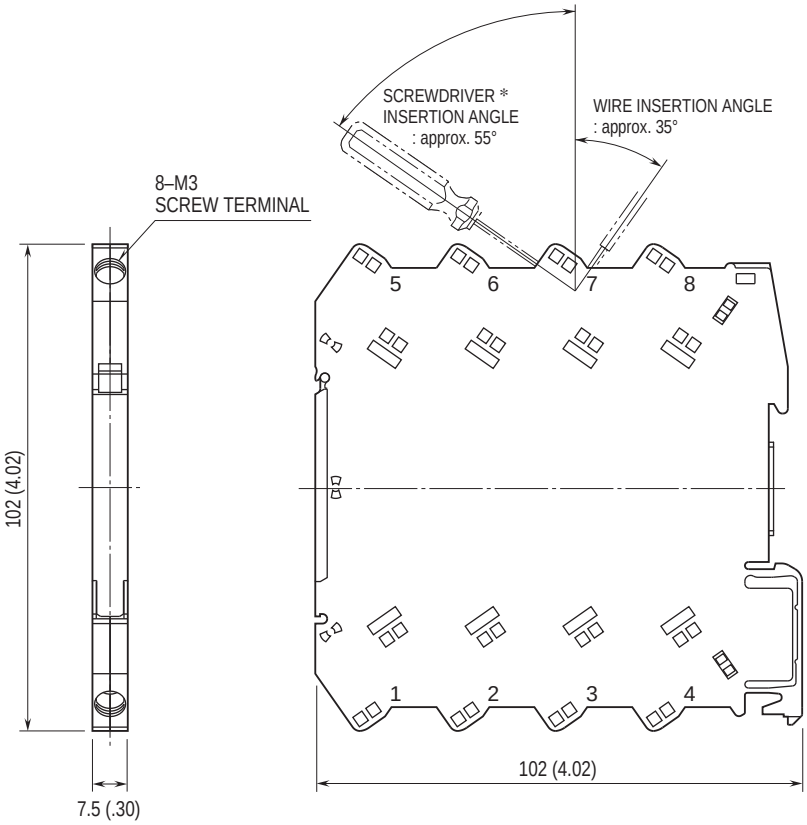
幸託有限公司
XIN TOP CORPORATION
TEL：(02)2598-1199 E-mail：info@xintop.com
FAX：(02)2596-2331 Website：www.xintop.com

EXTERNAL VIEW

(With the cover open)



DIMENSIONS unit: mm (inch)



*Screwdriver stem diameter: 6 mm (.24") or less

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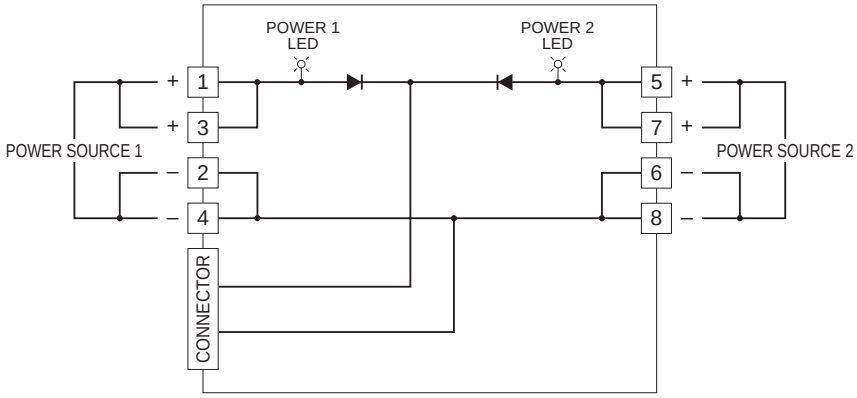
SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



⚠ Specifications are subject to change without notice.

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