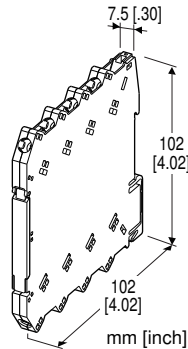


## Screw Terminal Ultra-Slim Signal Conditioners M6N Series

### POWER SUPPLY MODULE

#### Functions & Features

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



### MODEL: M6NPS1-R[1]

### ORDERING INFORMATION

- Code number: M6NPS1-R[1]  
Specify a code from below for [1].  
(e.g. M6NPS1-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 our web site.)

/C01: Silicone coating

/C02: Polyurethane coating

### GENERAL SPECIFICATIONS

**Connection:** M3 screw terminal (torque 0.5 N·m)

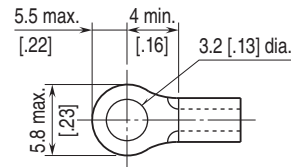
**Recommended solderless terminal:** Max. 5.8 mm (0.23") wide; Ones with insulation sleeve do not fit.

**Applicable wire size:** 0.2 – 2.5 mm<sup>2</sup>

**Housing material:** Flame-resistant resin (black)

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

#### ■Recommended solderless terminal (unit: mm [inch])



### 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

#### EU conformity:

EMC Directive

EMI EN 61000-6-4

EMS EN 61000-6-2

RoHS Directive

#### 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)

## CURRENT CONSUMPTION

In order to operate signal conditioners, it is required that the total maximum current consumption of the signal conditioners is not more than 2 A.

If the total current consumption exceeds 2 A, change the combination of signal conditioners or reduce the number of them mounted.

M6xCTC 25 mA

M6xDY 50 mA

M6xPA 25 mA

M6xPP 50 mA

M6xVF 30 mA

M6xVS 25 mA

M6xWVS 30 mA

M6xXAP 50 mA

M6xXAR 25 mA

M6xXAS 25 mA

M6xXAT 25 mA

M6xXF1 25 mA

M6xXF2 25 mA

M6xXF3 25 mA

M6xXM 25 mA

M6xXR 25 mA

M6xXT 25 mA

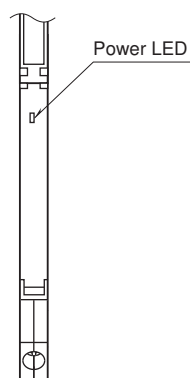
M6xXU 25 mA

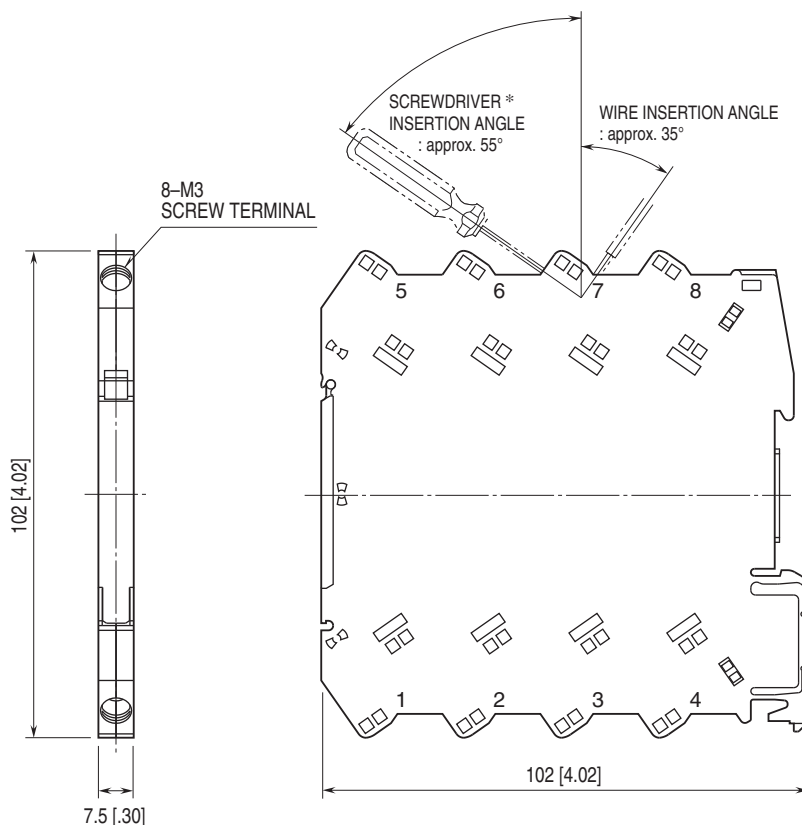
M6xXV 25 mA

M6xYV 21 mA

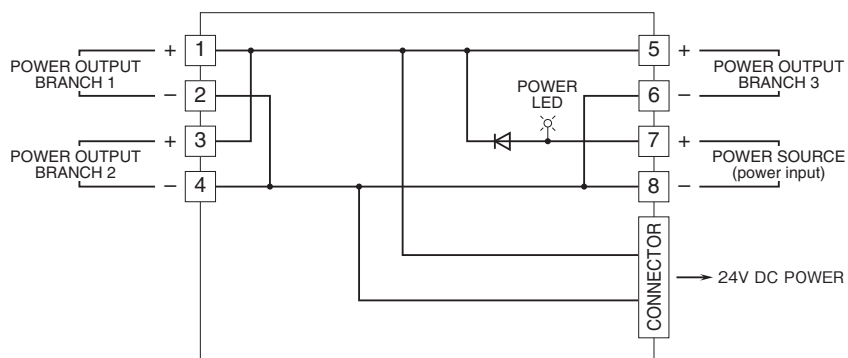
## EXTERNAL VIEW

(With the cover open)



**EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS** unit: mm [inch]

\*Screwdriver stem diameter: 6 mm [.24"] or less

**SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM**

Specifications are subject to change without notice.