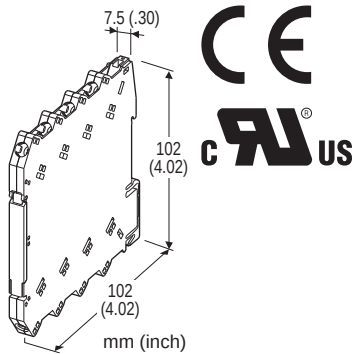


## Screw Terminal Ultra-Slim Signal Conditioners M6N Series

### POWER SUPPLY MODULE

#### Functions & Features

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



### MODEL: M6NPS1-R[1]

#### ORDERING INFORMATION

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

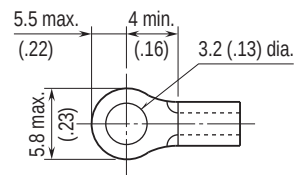
wide; Ones with insulation sleeve do not fit.

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

**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

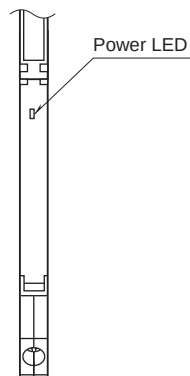
(ANSI/ISA-12.12.01, CAN/CSA-C22.2 No.213)

UL/C-UL general safety requirements

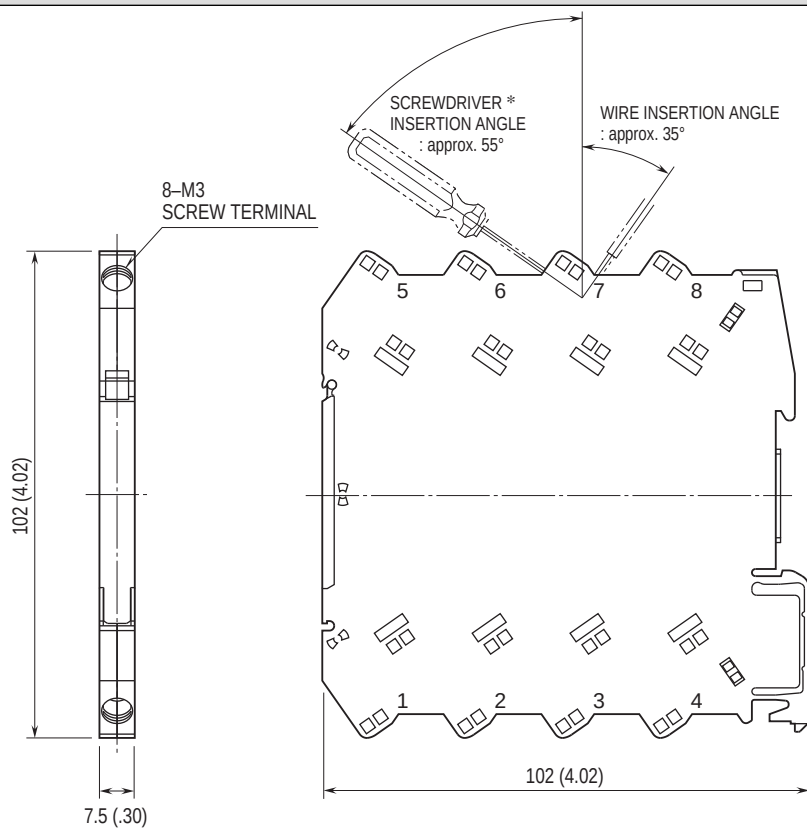
(UL 61010-1, CAN/CSA-C22.2 No.61010-1)

## EXTERNAL VIEW

(With the cover open)

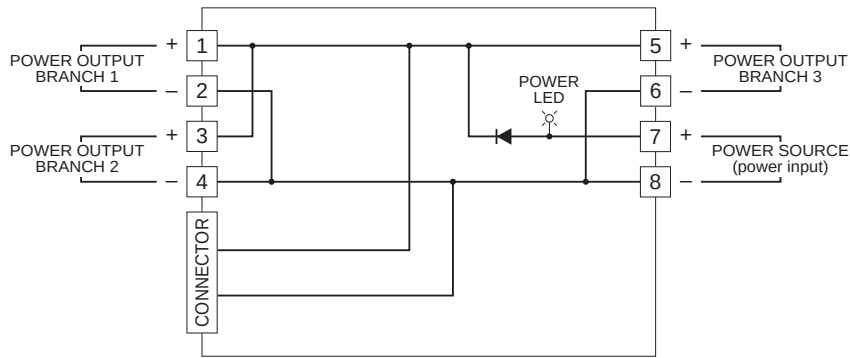


## DIMENSIONS unit: mm (inch)



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

## SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.

