SCMD-MIAC/MIDC

Miniature Digital-input Modules

DESCRIPTION

SCMD digital-input modules provide highly reliable and safe interfaces to harsh industrial measurement and control applications. With SCMD modules installed near individual field signals, a reliable isolation barrier is provided between the field wiring and the computer system. Other benefits include reduction of field wiring costs and the establishment of a cost-effective and manageable method for system expansion and repair.

The SCMD-MIAC digital-input modules are used for sensing ON/OFF AC or DC voltage levels in the ranges of 18-36, 90-140 and 180-280VAC or VDC, respectively. They are protected from damage due to high-voltage transients on the input signal.

The SCMD-MIDC digital-input modules provide DC voltage sensing at the lower ranges of 3.3 to 32VDC and 10 to 60VDC.

High-voltage, low-voltage, fast-switching, and low-noise options are available, designated by suffixes “A”, “E”, “F”, and “N”, respectively.

Five backpanels are available for mounting SCMD-M digital input modules.

Digital Input Modules - Model No. Suffixes Identifying Optional Features

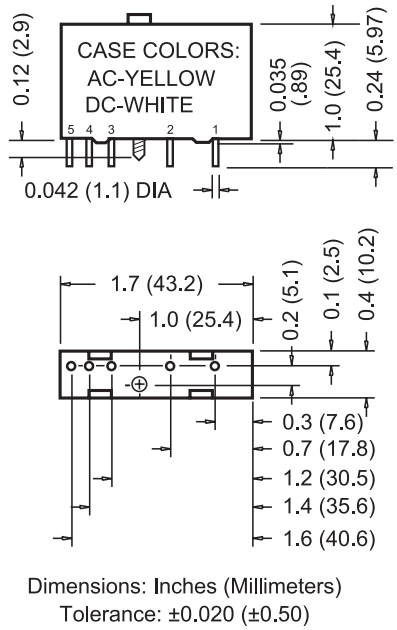
Suffix	Feature
A	High-voltage Versions (280VAC for AC Modules)
E	Low-voltage 10VAC-input for AC Modules
F	Fast-switching Version of DC Modules
N	Enhanced Noise-immunity Version of DC Modules

FEATURES

- Plug into Backpanels for Miniature- or Full-sized Modules
- AC-inputs for 24V, 120V, 240V
- DC-inputs for 3.3 to 32V, 10 to 60V
- 4000Vrms Optical Isolation
- Open-collector Output
- Industry-standard Pinout and Footprint
- Operating Temperature –30°C to +80°C
- UL Listed, CSA Certified, CE Compliant
- RoHS III Directive (EU) 2015/863

Ordering Information

Model	Input Range	Supply Voltage
SCMD-MIAC5	90 to 140VAC/DC	5V
SCMD-MIAC5A	180 to 280VAC/DC	5V
SCMD-MIAC5E	10 to 60VAC/DC	5V
SCMD-MIAC24	90 to 140VAC/DC	24V
SCMD-MIAC24A	180 to 280VAC/DC	24V
SCMD-MIDC5	3.3 to 32VDC	5V
SCMD-MIDC5F	3.3 to 32VDC	5V
SCMD-MIDC5N	10 to 60VDC	5V
SCMD-MIDC24	3.3 to 32VDC	24V



SCMD-MIAC/MIDC Physical Dimensions

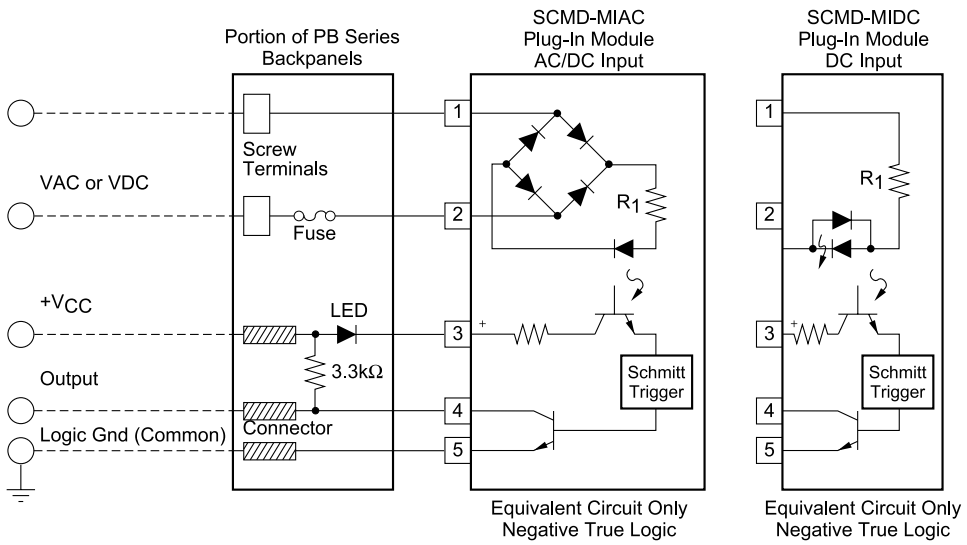


Figure 2: SCMD-MIAC/MIDC Circuit Diagrams

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