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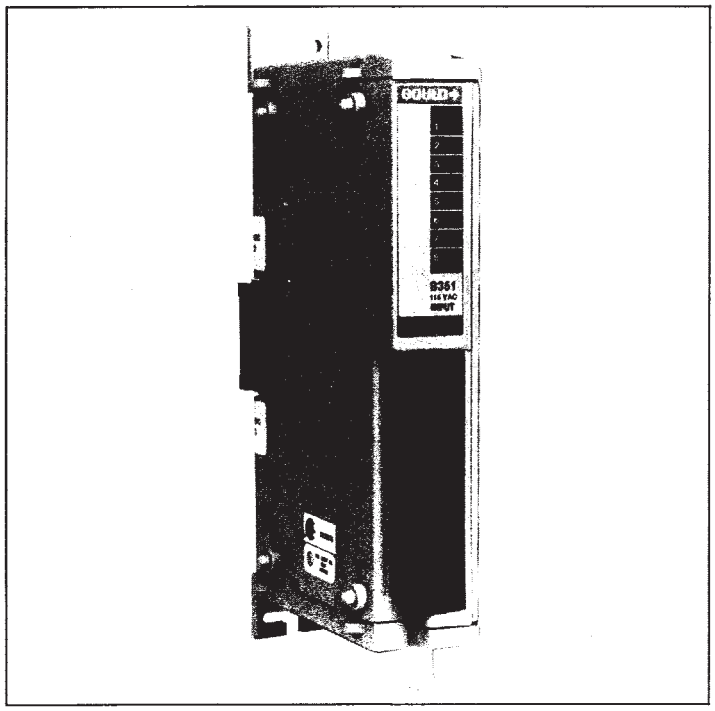
Find the *Schneider Electric / Gould B351* at our website: *Click HERE*

B351-001 / 115 VAC Input Module
DATA SHEET

The Gould B351-001 Input Module consists of eight independent and isolated 115 VAC input circuits.

FEATURES

- Eight independent 115 VAC inputs
- Circuit isolation of 1500 VAC
- Field side status indicators
- Transient protection
- Surge withstand capability in compliance with IEEE 472-1974 and ANSI C37.90A
- Optional Fanning Strip permits module removal without disturbance to field wiring
- UL listed and CSA certified
- Designed for harsh plant floor environments



GENERAL DESCRIPTION

The Gould B351-001, 115 VAC Input Module senses and converts switched input signals into logic voltage levels used by the *Micro 84™* Controller. The module allows for up to eight independently sensed inputs. Inputs can be received from push buttons, limit and proximity switches, temperature and pressure switches, as well as other 115V sources. Eight independent threshold switches sense inputs from an external power source.

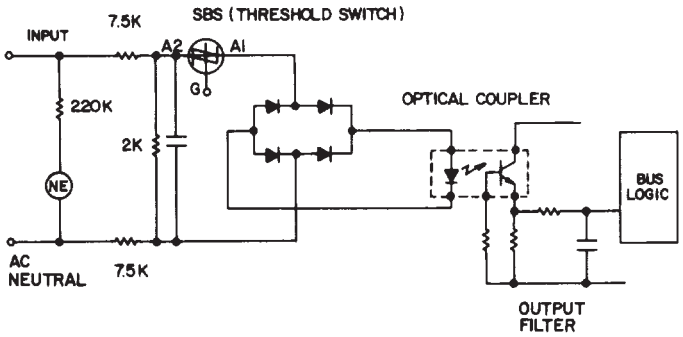
Each input is electrically isolated by an optical coupler. A neon lamp connected to the circuit's field side displays the ON/OFF status of the input. The lamp indicates the input's true state. Both IEEE and ANSI standards for surge withstand capability (SWC) tests are fully satisfied. The module is designed to withstand the severe voltage transients prevalent in industrial environments.

The B351 Input Module is housed in a light weight, durable LEXAN case. A structural "chimney" within the module provides flow-through convection cooling and protection from moisture build-up. Self-contained mounting brackets eliminate the need for special I/O housings. A termination connector shipped with the *Micro 84* mainframe is required when using the module at the extreme right bus location.

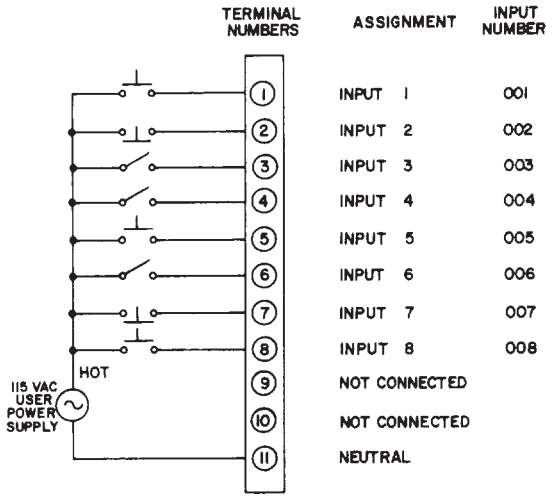
User connections are made to a standard screw terminal strip. This strip is compatible with an optional Fanning Strip (P/N 0212-012) allowing quick module replacement without disturbing field wiring. Data bus connections are made with standard interface connectors. These connectors allow the B351 Input Module to be placed in any location in the I/O structure without interference to other module operation.

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B351 115 VAC Input Module
Simplified Schematic



B351 115 VAC Input Module
Terminal Numbering and Connections

SPECIFICATIONS

Electrical Characteristics

ON Level:	80 to 130V rms (less than 1000 ohms source impedance)
OFF Level:	0 to 45V rms (less than 1000 ohms source impedance) 0 to 130V rms (greater than 80K ohms source impedance)
Input Wetting Current:	5mA (typical) @ 80V rms input
Source Resistance:	1000 ohm (max)
Threshold Voltage:	45 to 80V rms
Max Input Voltage:	130V rms continuous
Frequency:	47 to 63 Hz

Circuit Characteristics

Topology:	8 inputs per module
Isolation Voltage:	1500V rms for 60 sec.
Response Time:	ON to OFF, 30 ms (max) OFF to ON, 10 ms (max)
Visual Indicators:	One neon lamp per input ON when input is ON
Surge Withstand Capability:	Per IEEE 472-1974 and ANSI C37.90A (2500V decaying in 6 microsec.)

Physical Characteristics

Environment:

Temperature	0 to 60°C (ambient)
Humidity	0 to 95% (non-condensing)
Shock	10 G for 11 msec.
Vibration	.625 G, 50-500 Hz
EMI	Per MIL-STD 461B
RFI	Per FCC Class A

Dimensions:	1.62 in. (41.8 mm) X 6.00 in. (152.4 mm) X 11.00 in. (279.4 mm)
Weight:	2.0 lbs. (.91 kg)

NOTES

The B351-001 Input Module is compatible with the B350-001 Output Module without the use of additional components.

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