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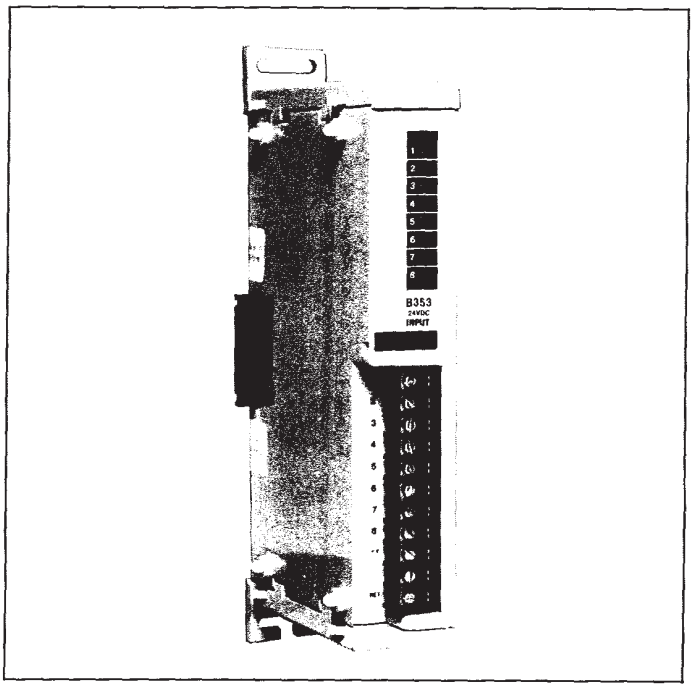
Find the *Schneider Electric / Gould B353* at our website: *Click HERE*

B353-001 / 24 VDC Input Module (True Low)
DATA SHEET

The Gould B353-001, 24 VDC Input Module (True Low) consists of eight independent and isolated input circuits.

FEATURES

- Eight independent 24 VDC inputs
- Circuit isolation of 1500 VDC
- 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 B353-001, 24 VDC Input Module senses and converts switched input signals into logic voltage levels used by the *Micro 84*™ Controller. The logic format for the module is "true low". Inputs can be received from push buttons, limit and proximity switches, temperature and pressure switches, as well as other 24V sources. Eight independent threshold switches sense inputs from an external power source.

Each input is electrically isolated by an optical coupler. An LED indicator connected to the circuit's field side displays the true ON/OFF status of the input. Both IEEE and ANSI standards for surge withstand capability (SWC) tests are fully satisfied. This enables the module and controller to withstand severe voltage transients prevalent in industrial environments.

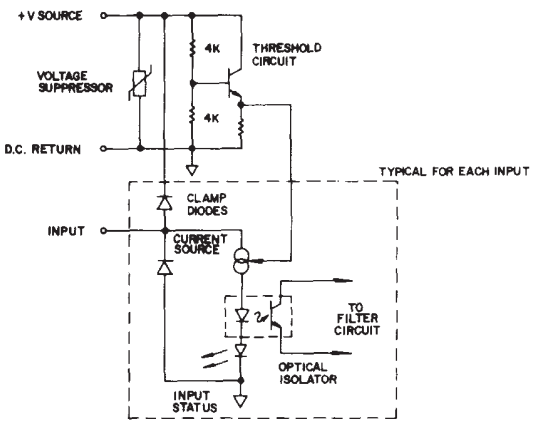
The module is housed in a light weight, durable LEXAN® case. A structural "chimney" within the module provides flow-through convection cooling and protection from moisture build-up. Self-contained mounting brackets eliminate the need for special I/O housings. A termination connector is shipped with the *Micro 84* mainframe to be used when the module is attached 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 B353 Input Module to be placed in any location in the I/O structure without interference to other module operation.

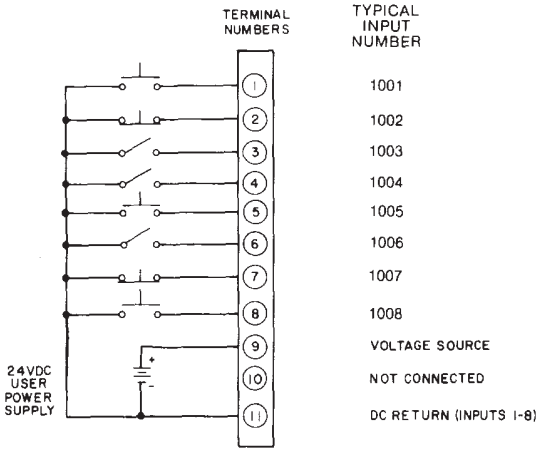
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B353-001 Input Module
Simplified Schematic



B353-001 Input Module
Terminal Numbering and Connections

SPECIFICATIONS

Electrical Characteristics

ON Level:	Less than 30% of V source
OFF Level:	Greater than 70% of V source
Source Resistance:	1000 ohm (max) at 10 VDC
Threshold Voltage:	30-70% of V source
Max Input Voltage:	50 VDC, 10 ms

Circuit Characteristics

Topology:	8 inputs per module, true low
Isolation Voltage:	1500 VDC for 10 sec.
Response Time:	ON to OFF, 12 ms (max) OFF to ON, 12 ms (max)
Visual Indicators:	One LED indicator per input ON when input is ON (low)
External Power Supply:	24 VDC at 100 mA (max)
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 B353-001 Input Module is compatible with the B352-001 Output Module without the use of additional components.

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