

140DSI35300 I/O DC 24V Supervised Input Module

Overview

The Supervised Input module is used with source output devices. It accepts 24 Vdc inputs. It has 32 Sink input points (four groups of 8), each with broken wire detection.

Specifications

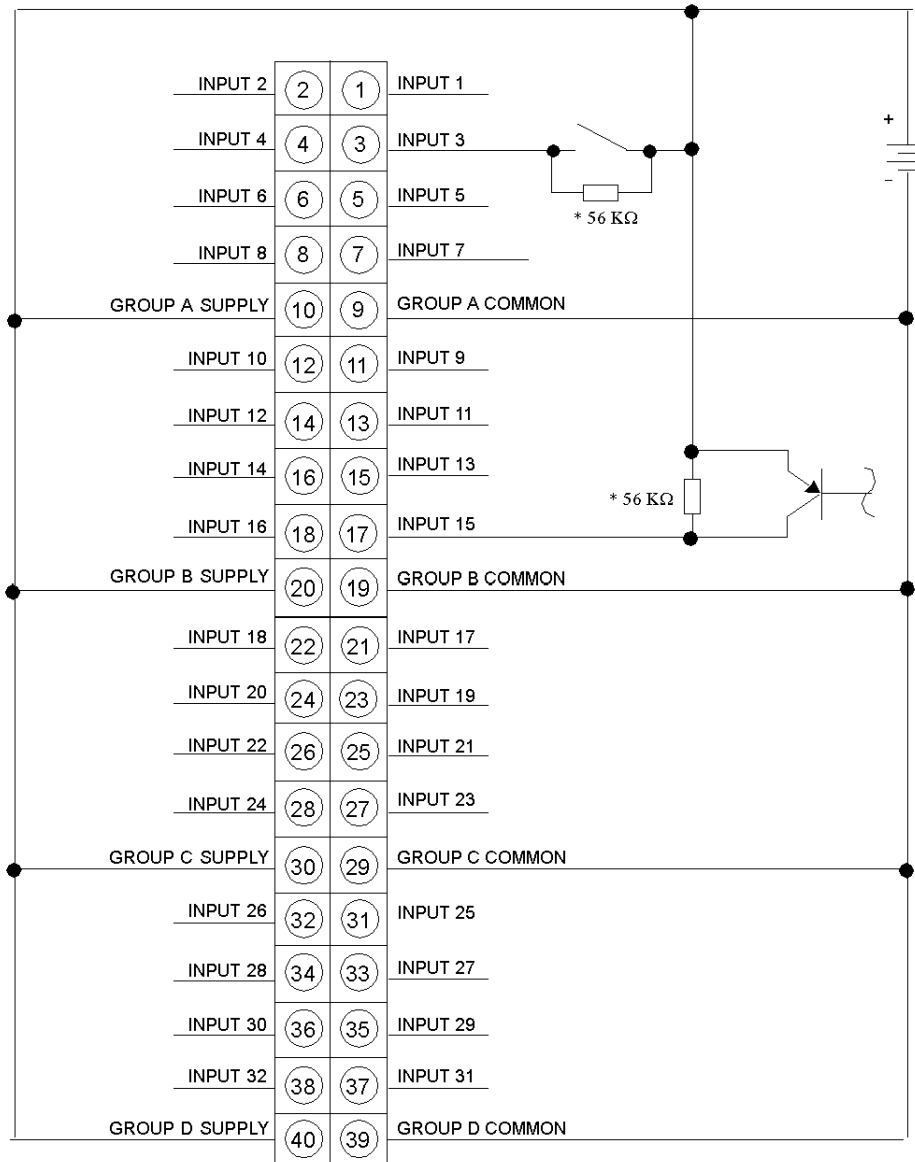
The following table shows the technical specifications for the 140DSI35300 module:

Specifications	
Number of Input Points	32 in four 8 point groups'
LEDs	
Active (Green)	Indicates bus communication present
1 ... 32 (Green)	Indicates point status
F (Red)	External Supply missing
Required addressing	4 words in
Operating Voltage and Current	
ON (voltage)	+11 Vdc
ON (current)	2.5 mA min.
OFF (voltage)	+5 Vdc
OFF (current)	min. 0.3 mA ...1.2 mA
Absolute Maximum Input	
Continuous	30 Vdc
10 ms	45 Vp
Response time	
OFF - ON	2.2 ms
ON - OFF	3.3 ms
Internal Resistance	4.3k
Input Protection	Resistor limited
Isolation	
Group to Group	500 VAC rms for 1 minute
Group to Bus	1780 VAC rms for 1 minute
Bus Current Required	250 mA
Power Dissipation	7 W (all points on)
External Power Supply	+20 ... 30 VDC, 20 mA/group

Specifications	
Open-Circuit Monitoring	
Broken-wire detection	OFF current < 0.15 mA
Shunt resistor	Recommended 56 k Ω with 24 Vdc external power supply
Fusing	
Internal	None
External	User discretion

Wiring Diagram

Wiring diagram for the 140DSI35300 Module:



* Recommended resistor value for 24 Vdc.