

115/230 VAC Isolated Input, 16 Circuits IC655MDL527

This module provides 16 isolated circuits for connection to user input devices. 16 LEDs on the front of the module provide a visual indication of the status of each circuit, with each LED reflecting the ON or OFF state of the corresponding circuit. When commanded through programming, these LEDs provide the starting I/O address for the module. Connections to each circuit are made to the removable terminal block on the front of the module. The input circuits are isolated from each other relative to the AC power source. Each input has a separate neutral connection, which allows each input to be powered from different phases of the AC supply, if required. The user must supply a source of AC power, which can be from 80 to 265 VAC, for sensing the state of the inputs to the module.

Table 15. Specifications for 115/230 VAC Isolated Input - 16 Circuits

Input Circuit Type	Optically isolated
Number of Circuits	16
Internal Circuit Grouping	Each circuit isolated from other circuits
Operating Voltage	80 to 265 VAC, 48 to 63 Hz
Maximum Voltage (open circuit)	265 VAC
Input Current	8.4 mA at 115 VAC, 60 Hz 18 mA at 230 VAC, 60 Hz
ON Level	80 VAC; between N and Input terminal
OFF Level	30 VAC; between N and Input terminal
Maximum OFF Leakage	2.0 mA
Minimum ON Current	5.5 mA
OFF to ON Response	5 to 30 ms
ON to OFF Response	10 to 50 ms
Status Indicator Location	Logic side
Internal Power Consumption, (5 VDC)	Total; 64 mA (typical), 100 mA (max.) Per On Point; 4 mA

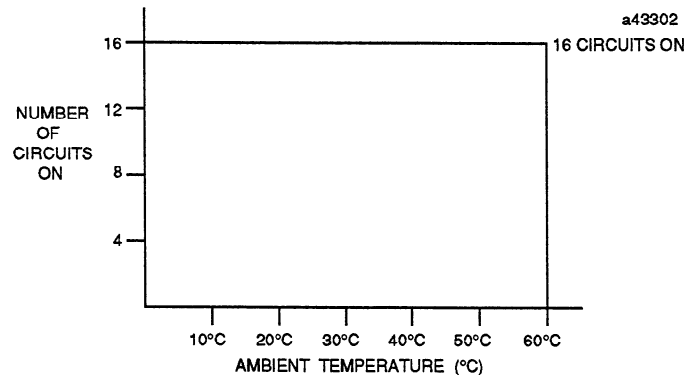


Figure 23. Input Points vs. Temperature for IC655MDL527

GFK-0123

Wiring Information - IC655MDL527

The following figure provides the information required for connecting field devices to this module.

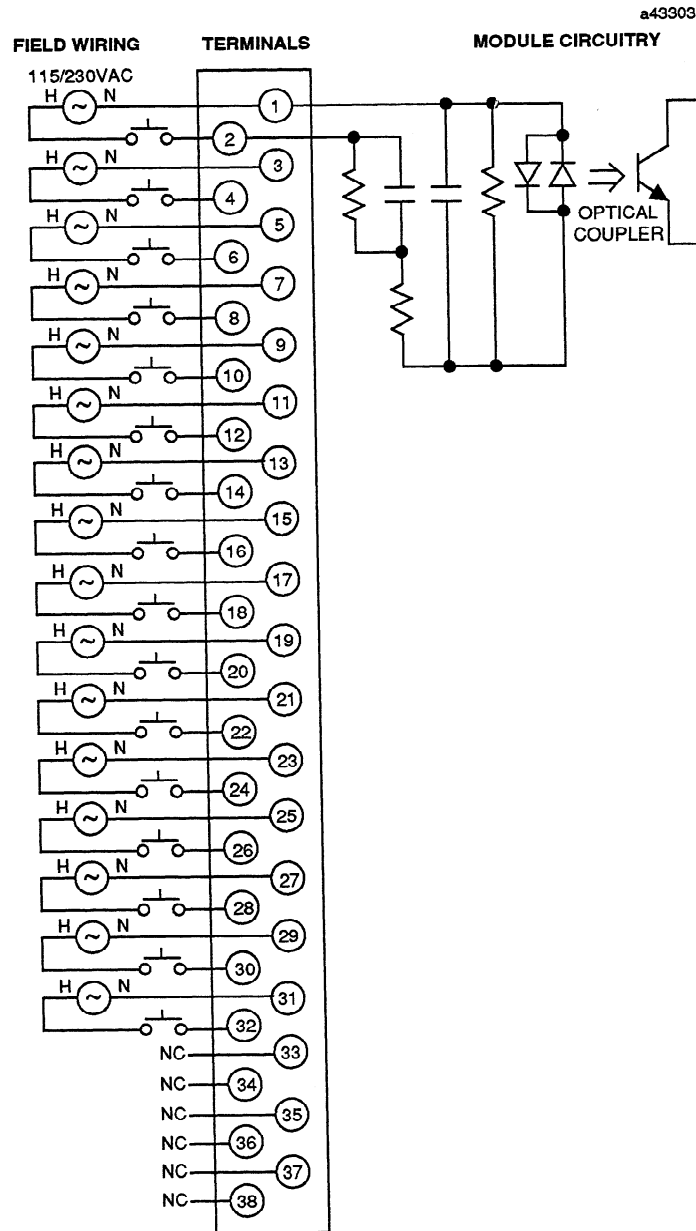


Figure 24. Field Wiring and Typical Circuit for IC655MDL527