Honeywell TC-FID321

Honeywell TC-FID321 - 24 Vdc Sink Digital Input
Parameter Specification
Number of Channels 32 (2 group of 16) non-isolated within groups
Module Location DIN-rail mounted
Module Type 32 digital input - sinking
ON-State Voltage 19.2Vdc minimum
24Vdc nominal
31.2Vdc maximum
ON-State Current 2mA minimum;
4.1mA nominal at 24V dc
6.0mA maximum
OFF-State Voltage 5.0V dc maximum
OFF-State Current 1.5mA minimum
Input Impedance 6.0K
Isolation Voltage Tested at 2121Vdc for 2s between user and system
No isolation between individual channels
Maximum Input
Filter Times (Selectable)
OFF to ON
ON to OFF
0.25ms, 0.5ms, 1ms, 2ms, 4ms, 8ms, 16ms, 32ms
0.25ms, 0.5ms, 1ms, 2ms, 4ms, 8ms, 16ms, 32ms
0.25ms default
Flexbus Current 25mA @ 5Vdc
Power Dissipation 6.0W @ 31.2V dc
Thermal Dissipation 20.5 BTU/hr @ 31.2V dc
Indicators 32 yellow channel status indicators
General Specifications
External dc Power Voltage 19.2 - 31.2Vdc (includes 5% ac ripple)
Dimensions HxWxD 94mm x 94mm x 69mm
(3.7in x 3.7in x 2.7in)
Environmental Conditions
Operational Temperature
Storage Temperature
Relative Humidity
Shock: Operating
Shock: Non-operating
Vibration

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0 to 55℃ (32 to 131℉)
-40 to 85℃ (-40 to 185℉)
5 to 95% non-condensing
30g
50g
Tested 5g @ 10-500Hz per IEC 68-2-6
Conductors Wire Size 12 gauge (4mm2
) stranded maximum
3/64 inch (1.2mm) maximum insulation, 75C or higher
temperature rating
Terminal Screw Torque 4-7 inch-pounds

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