Flexem Flexem □□ Series Service Manual

F5-MD0404R

1. Description

Flexem F5-MD0404R 4 Point Bipolar Input Digital Expamsion Module

3. Product Information

Flexem F5-MD0404R 4 Point Bipolar Input Digital Expamsion Module

Input Characteristics 4 Point Bipolar

Rated Voltage 24 VDC

Input Range 0~28.8V DC

Rated Current 7mA

Voltage Peak Value 30V

Current 9mA

Voltage in State 1 >15V 15~28.8V

Voltage in State 0 <5V 0~5V

Currentin State 1 >2.5mA

Currentin State 0 <1.0mA

Isolation ptocoupler

Input Impedance 3.3KQ

Filter Time Default 1ms,16 equally divided levels selectable from unfiltered to 100ms

Compatibility Compatible with 2/3 wire sensors

Input Type Source/sinking

Cable Length and Type Max 100m shielded cable,50m unshielded cable

Protection(overvoltage) 30V maximum,limited to 1 hour per dayfrequency

Transistor Output Characteristics /

Rated Voltage 24 VDC

Voltage Range 19.2~28.8VDC

Rated Current 0.5A

Current/group 0.5A*Output point of each group

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Voltage Drop Maximum 1VDC

Leakage Current When Turned Off <5μA

Maximum Power of Incandescent Lamp 2.4W

Derating None

Start Time Maximum 34μs

Turn-off Time Maximum 250μs

Maximum Output Frequency 1KHz

Short Circuit Protection Available

Peak Short-circuit Output Curent 1.3A

Self-recovery After Short Circuit or Overload Per10ms

Clamping Voltage Maximum39VDC,±1V

Isolation 500V AC between output and internal logic

Type of Electrical Channel Unshielded

Cable Length Unshielded 50m