

Data sheet
 - (M31-1CD50)

Technical data

Order no.	M31-1CD50
Type	-
Module ID	-
General information	
Note	-
Features	4x AI 16 Bit Voltage 0/1...10 V +-10 V Current 0/4...20 mA Resistance 0...3000 Ohm, RTD, Pt100, Pt1000, NI100, NI1000 in 2/3/4 conductor measurement TC type J, K, N, R, S, T, B, C, E, L and U +-80 mV
Current consumption/power loss	
Current consumption from backplane bus	-
Power loss	-
Technical data analog inputs	
Number of inputs	-
Cable length, shielded	-
Rated load voltage	-
Current consumption from load voltage L+ (without load)	-
Voltage inputs	-
Min. input resistance (voltage range)	-
Input voltage ranges	-
Operational limit of voltage ranges	-
Operational limit of voltage ranges with SFU	-
Basic error limit voltage ranges	-
Basic error limit voltage ranges with SFU	-
Destruction limit voltage	-
Current inputs	-
Max. input resistance (current range)	-
Input current ranges	-
Operational limit of current ranges	-
Operational limit of current ranges with SFU	-
Basic error limit current ranges	-
Radical error limit current ranges with SFU	-
Destruction limit current inputs (voltage)	-
Destruction limit current inputs (electrical current)	-
Resistance inputs	-
Resistance ranges	-
Operational limit of resistor ranges	-
Operational limit of resistor ranges with SFU	-
Basic error limit	-
Basic error limit with SFU	-
Destruction limit resistance inputs	-
Resistance thermometer inputs	-

Resistance thermometer ranges	-
Operational limit of resistance thermometer ranges	-
Operational limit of resistance thermometer ranges with SFU	-
Basic error limit thermoresistor ranges	-
Basic error limit thermoresistor ranges with SFU	-
Destruction limit resistance thermometer inputs	-
Thermocouple inputs	-
Thermocouple ranges	-
Operational limit of thermocouple ranges	-
Operational limit of thermocouple ranges with SFU	-
Basic error limit thermoelement ranges	-
Basic error limit thermoelement ranges with SFU	-
Destruction limit thermocouple inputs	-
Programmable temperature compensation	-
External temperature compensation	-
Internal temperature compensation	-
Temperature error internal compensation	-
Technical unit of temperature measurement	-
Resolution in bit	-
Measurement principle	-
Basic conversion time	-
Noise suppression for frequency	-
Status information, alarms, diagnostics	
Status display	-
Interrupts	-
Process alarm	-
Diagnostic interrupt	-
Diagnostic functions	-
Diagnostics information read-out	-
Module state	-
Module error display	-
Channel error display	-
Isolation	
Between channels	-
Between channels of groups to	-
Between channels and backplane bus	-
Between channels and power supply	-
Max. potential difference between circuits	-
Max. potential difference between inputs (Ucm)	-
Max. potential difference between Mana and Mintern (Uiso)	-
Max. potential difference between inputs and Mana (Ucm)	-
Max. potential difference between inputs and Mintern (Uiso)	-
Max. potential difference between Mintern and outputs	-
Insulation tested with	-
Datasizes	
Input bytes	-
Output bytes	-
Parameter bytes	-

Diagnostic bytes	-
Housing	
Material	-
Mounting	-
Mechanical data	
Dimensions (WxHxD)	-
Net weight	-
Weight including accessories	-
Gross weight	-
Environmental conditions	
Operating temperature	-
Storage temperature	-
Certifications	
UL certification	-
KC certification	-