

Data sheet SM 231 (231-1BD70)

Technical data

Order no.	231-1BD70
Туре	SM 231
General information	
Note	-
Features	4 input 12 bit Voltage +/-10 V Potential separated per channel
Current consumption/power loss	
Current consumption from backplane bus	280 mA
Power loss	1.4 W
Technical data analog inputs	
Number of inputs	4
Cable length, shielded	200 m
Rated load voltage	-
Current consumption from load voltage L+ (without load)	-
Voltage inputs	yes
Min. input resistance (voltage range)	83 kOhm
Input voltage ranges	-10 V +10 V
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	max. 30V
Current inputs	-
Max. input resistance (current range)	-
Input current ranges	-
Operational limit of current ranges	-
Operational limit of current ranges with SFU	-
Grundfehlergrenze Strombereiche	-
Radical error limit current ranges with SFU	-
Destruction limit current inputs (electrical current)	-
Destruction limit current inputs (voltage)	-
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	-



Basic error limit thermoresistor ranges Basic error limit thermoresistor ranges with SPU - Destruction limit resistance thermometer inputs - Thermocouple ranges - Qperational limit of thermocouple ranges - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges with SPU - Basic error limit thermoelement ranges Basic error limit thermoelement ranges Basic error limit thermoelement ranges with SPU - Operational limit of thermocouple ranges with SPU - Operational limit of thermocouple ranges Basic error limit thermoelement ranges with SPU - Operational limit of thermocouple ranges Basic error limit thermoelement ranges with SPU - Operational limit of thermocouple inputs - Operational limit of thermocouple ranges with SPU - Operational limit of thermocouple ranges - Operational limit of the	Operational limit of resistance thermometer ranges with SFU	A YASKAWA COMPANY
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Datasizes Input bytes 8 Output bytes 0	Max. potential difference between Mintern and outputs	-
Input bytes 8 Output bytes 0	Insulation tested with	DC 500 V
Output bytes 0	Datasizes	
	Input bytes	8
Parameter bytes 3	Output bytes	0
	Parameter bytes	3



PPE / PA 6.6 Profile rail 35 mm
Profile rail 35 mm
25.4 mm x 76 mm x 88 mm
90 g
0 °C to 60 °C
-25 °C to 70 °C
yes
-