

Data sheet SM 231 (231-1BD60)

Technical data

Order no.	231-1BD60
Туре	SM 231
General information	
Note	
Features	4 input 12 bit
reatures	Current 420 mA 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	-
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 current	-
Current inputs	✓
Max. input resistance (current range)	20 Ohm
Input current ranges	+4 mA +20 mA
Operational limit of current ranges	-
Operational limit of current ranges with SFU	-
Radical error limit current ranges with SFU	-
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 with SFU - Basic error limit thermoresistor ranges - Basic error limit thermoresistor ranges with SFU - Destruction limit resistance thermometer inputs - Thermocouple inputs - Cheractional limit of thermocouple ranges - Operational limit of thermocouple ranges with SFU - Basic error limit thermoelement ranges with SFU - Basic error limit thermoelement ranges with SFU - Basic error limit thermoelement ranges with SFU - Destruction limit thermoelement ranges with SFU - Esternal temperature compensation - Internal temperature compensation - Internal temperature compensation - Internal temperature compensati	Operational limit of resistance thermometer ranges	A YASKAWA COMPANY
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Datasizes	Max. potential difference between Mintern and outputs	-
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Input hytes 9	Datasizes	
iiiput bytes 0	Input bytes	8



Output bytes	0	A YASKAWA COMPANY	
Parameter bytes	3		
Diagnostic bytes	0	0	
Housing			
Material	PPE / PA 6.6		
Mounting	Profile rail 35 mm		
Mechanical data			
Dimensions (WxHxD)	25.4 mm x 76 mm x 88 mm		
Weight	90 g		
Environmental conditions			
Operating temperature	0 °C to 60 °C		
Storage temperature	-25 °C to 70 °C		
Certifications			
UL508 certification	yes	yes	
·	·		