



SIMATIC S7-200 SMART, Analog output SB AE1, 1 AI, +/-10 V, +/-5 V, +/-2.5 V, or 0 to 20 mA, 11 bit + sign (voltage), 11 bit (current mode)

Figure similar

General information	
Product type designation	SB AI01, AI 1x12 bit
Power loss	
Power loss, typ.	0.4 W
Analog inputs	
Number of analog inputs	1
Input ranges	
• Voltage	Yes
• Current	Yes
• Thermocouple	No
• Resistance thermometer	No
• Resistance	No
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
• Resolution with overrange (bit including sign), max.	12 bit
Dimensions	
Width	35 mm
Height	52.2 mm
Depth	16 mm
Weights	
Weight, approx.	20 g
last modified:	3/12/2024