

SIMATIC S7-200 SMART, Analog input SM AI04, 4 AI, 4xAI thermocouples

| General information | |
|--|---|
| Product type designation | SM AT04, AI TC 4x16 bit |
| Supply voltage | |
| Type of supply voltage | DC |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes |
| Input current | |
| Current consumption, typ. | 30 mA; Current consumption of 24 V DC user power |
| Current consumption, max. | 40 mA; at 20.4 V DC and max. load |
| from backplane bus 5 V DC, typ. | 70 mA; For 5 V DC from CPU module |
| from backplane bus 5 V DC, max. | 80 mA |
| Power loss | |
| Power loss, typ. | 1.5 W |
| Analog inputs | |
| Number of analog inputs | 4 |
| Input ranges | |
| <ul style="list-style-type: none"> • Voltage • Current • Thermocouple • Resistance thermometer • Resistance | <ul style="list-style-type: none"> No No Yes No No |
| Analog outputs | |
| Number of analog outputs | 0 |
| Analog value generation for the inputs | |
| Integration and conversion time/resolution per channel | |
| <ul style="list-style-type: none"> • Resolution with overrange (bit including sign), max. | 16 bit |
| Dimensions | |
| Width | 45 mm |
| Height | 100 mm |
| Depth | 81 mm |
| Weights | |
| Weight, approx. | 125 g |

last modified: 3/12/2024 