SIEMENS

Data sheet 6ES7288-3AT04-0AA0

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	
● Voltage	No
● Current	No
● Thermocouple	Yes
● Resistance thermometer	No
● Resistance	No
Analog outputs	
Number of analog outputs	0
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
● Resolution with overrange (bit including sign), max.	16 bit
Dimensions	
Width	45 mm
Height	100 mm
Depth	81 mm
Weights	
Weight, approx.	125 g
Classifications	

	Version	Classification
eClass	16	27-24-22-01
eClass	14	27-24-22-01
eClass	12	27-24-22-01
eClass	9.1	27-24-22-01
eClass	9	27-24-22-01
eClass	8	27-24-22-01
eClass	7.1	27-24-22-01
eClass	6	27-24-22-01
ETIM	10	EC001420
ETIM	9	EC001420
ETIM	8	EC001420

Subject to change without notice
© Copyright Siemens

ETIM	7	EC001420
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval









China RoHS

last modified: 8/24/2025

Subject to change without notice
© Copyright Siemens