



Figure similar

SIMATIC S7-200 SMART, Analog input SM AR04 RTD, 4xAI RTD module

General information		
Product type designation	SM AR04, AI RTD 4x16 bit	
CiR - Configuration in RUN		
Reparameterization possible in RUN	No	
Supply voltage		
Type of supply voltage	DC	
Rated value (DC)	24 V; -15 / +20 %	
Input current		
Current consumption, typ.	40 mA	
from backplane bus 5 V DC, typ.	80 mA	
Power loss		
Power loss, typ.	1.5 W	
Analog inputs		
Number of analog inputs	4	
Input ranges		
• Voltage	No	
• Current	No	
• Thermocouple	No	
• Resistance thermometer	Yes	
• Resistance	Yes	
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.	150 g	
Classifications		
	Version	Classification
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
ETIM	7	EC001420
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval



[China RoHS](#)

last modified:

3/12/2024