



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	9	EC001420
ETIM	8	EC001420
ETIM	7	EC001420
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval



last modified:

3/12/2024