SIEMENS

Data sheet 6ES7134-4JD00-0AB0



*** Spare part *** SIMATIC DP, Electronics module for ET 200S, 4 AI TC, +/-80 mV; 15 mm width, 15 bit+sign with SF LED (group fault)

General information	
Product function	
● Isochronous mode	No
Supply voltage	
Load voltage L+	
● Rated value (DC)	24 V; From power module
● Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	30 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	0.6 W
Address area	
Address space per module	
● Address space per module, max.	8 byte
Analog inputs	
Number of analog inputs	4
permissible input voltage for voltage input (destruction limit), max.	10 V; Permanent
Cycle time (all channels) max.	Number of active channels per module x basic conversion time
Technical unit for temperature measurement adjustable	No; Celsius
Input ranges (rated values), voltages	
● -80 mV to +80 mV	Yes
— Input resistance (-80 mV to +80 mV)	1 MΩ
Input ranges (rated values), thermocouples	
● Type B	Yes
— Input resistance (Type B)	1 MΩ
● Type E	Yes
— Input resistance (Type E)	1 MΩ
● Type J	Yes
— Input resistance (type J)	1 MΩ
● Type K	Yes
— Input resistance (Type K)	1 MΩ
● Type L	Yes
— Input resistance (Type L)	1 MΩ
● Type N	Yes
— Input resistance (Type N)	1 MΩ
● Type R	Yes
— Input resistance (Type R)	1 MΩ

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● Type S	Yes		
— Input resistance (Type S)	1 MΩ		
● Type T	Yes		
— Input resistance (Type T)	1 MΩ		
Thermocouple (TC)			
Temperature compensation			
— internal temperature compensation	Not possible		
— external temperature compensation with compensations socket	Yes; possible, one external compensating box per channel		
Characteristic linearization			
● Parameterizable	Yes; Type B, E, J, K, L, N, R, S, T to IEC 584		
Cable length			
● shielded, max.	50 m		
Analog value generation for the inputs			
Measurement principle	integrating		
Integration and conversion time/resolution per channel			
● Resolution with overrange (bit including sign), max.	16 bit; 15 bit + sign		
● Integration time, parameterizable	Yes		
● Integration time (ms)	16,7 / 20 ms		
● Interference voltage suppression for interference frequency f1 in Hz	50 / 60 Hz		
● Conversion time (per channel)	65 ms; 55 / 65 ms (additional 20 ms on activated wire-break test)		
Smoothing of measured values			
● parameterizable	Yes; In four stages by means of digital filtering		
● Step: None	Yes; 1x cycle time		
● Step: low	Yes; 4x cycle time		
● Step: Medium	Yes; 32x cycle time		
● Step: High	Yes; 64x cycle time		
Encoder			
Connection of signal encoders			
● for voltage measurement	Yes		
Errors/accuracies			
Operational error limit in overall temperature range			
● Voltage, relative to input range, (+/-)	0.6 %		
Basic error limit (operational limit at 25 °C)			
● Voltage, relative to input range, (+/-)	0.4 %		
Interrupts/diagnostics/status information			
Diagnoses			
● Diagnostic information readable	Yes		
● Wire break	Yes; A break in the wire is only detected for thermocouples		
● Group error	Yes		
● Overflow/Underflow	Yes		
Diagnostics indication LED			
● Group error SF (red)	Yes		
Potential separation			
Potential separation analog inputs			
● between the channels	No		
● between the channels and backplane bus	Yes		
● Between the channels and load voltage L+	Yes		
Isolation			
Isolation tested with	500 V DC		
Dimensions			
Width	15 mm		
Height	81 mm		
Depth	52 mm		
Weights			
Weight, approx.	40 g		
Classifications			
		Version	**Classification**

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eClass	16	27-24-26-01
eClass	14	27-24-26-01
eClass	12	27-24-26-01
eClass	9.1	27-24-26-01
eClass	9	27-24-26-01
eClass	8	27-24-26-01
eClass	7.1	27-24-26-01
eClass	6	27-24-26-01
ETIM	10	EC001596
ETIM	9	EC001596
ETIM	8	EC001596
ETIM	7	EC001596
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Manufacturer Declaration

Miscellaneous

Metrological Approval

General Product Approval

China RoHS

EMV

For use in hazardous locations

FM

Miscellaneous

For use in hazardous locations

CCC-Ex

Maritime application

Maritime application

NK / Nippon Kaiji Kyokai

CCS (China Classification Society)

KR (Korean Register of Shipping)

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