SIEMENS

Data sheet 6ES7134-4FB52-0AB0



Figure similar

*** Spare part *** SIMATIC DP, Electronics module ET 200S: 2 AI High Speed U, 15 bit, 15 mm width, Cycle time of module: 0.1 ms, with SF LED (group fault)

General information	
Product function	
● Isochronous mode	Yes
Supply voltage	
Load voltage L+	
● Rated value (DC)	24 V
● Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	130 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	2 W
Address area	
Address space per module	
● Address space per module, max.	4 byte
Analog inputs	
Number of analog inputs	2
permissible input voltage for voltage input (destruction limit), max.	35 V; Permanent
Cycle time (all channels) max.	250 µs
Input ranges (rated values), voltages	
● 1 V to 5 V	Yes
— Input resistance (1 V to 5 V)	120 kΩ
● -10 V to +10 V	Yes
— Input resistance (-10 V to +10 V)	120 kΩ
● -2.5 V to +2.5 V	Yes
— Input resistance (-2.5 V to +2.5 V)	120 kΩ
● -5 V to +5 V	Yes
— Input resistance (-5 V to +5 V)	120 kΩ
Cable length	
● shielded, max.	200 m
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
● Resolution with overrange (bit including sign), max.	16 bit; 15 bit: 1 to 5 V; ±2.5 V; 16 bit: ±10 V; ±5 V
● Conversion time (per channel)	15 µs
Smoothing of measured values	
● parameterizable	Yes
● Step: None	Yes; 1x cycle time

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● Step: low	Yes; 4x cycle time
● Step: Medium	Yes; 16x cycle time
● Step: High	Yes; 32x 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, (+/-)	0.3 %
Basic error limit (operational limit at 25 °C)	
● Voltage, relative to input range, (+/-)	0.2 %
Interrupts/diagnostics/status information	
Alarms	
● Hardware interrupt	Yes
Diagnoses	
● Diagnostic information readable	Yes
● Wire break	Yes; at 1 to 5 V
● 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
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

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Miscellaneous | Manufacturer Declaration | Metrological Approval

General Product Approval | **EMV**

China RoHS

For use in hazardous locations

FM | Miscellaneous

For use in hazardous locations | **Maritime application**

CCC-Ex | NK / Nippon Kaiji Kyokai

Maritime application

CCS (China Classification Society) | KR (Korean Register of Shipping)

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