SIEMENS

Data sheet

6ES7135-7TD00-0AB0



SIMATIC DP, electronic module for ET200iSP, 4 AO HART, 4 - 20mA, for connecting HART field devices, supported HART protocol Version 6.0, Ex ib (ia Ga) IIC T4 Gb, Ex ib [ia IIIC Da] IIC T4 Gb, Ex ib [ia] I Mb

Figure similar

Ceneral Information Product type designation 4AQ I HART Input current	E-8/1107/00		
Input current Current consumption, typ. 295 mA from load voltage L+ (without load), max. 330 mA Power loss. Power loss, typ. 2.7 W Analog outputs Number of analog outputs 4 Cycle time (all channels) max. 3.6 ms Cutput ranges, current • 0 to 20 mA Yes • 4 mA to 20 mA Yes Connection of actuators • for current output two-wire connection Yes Load impedance (in reted range of output) • with current output two-wire connection Yes Load impedance (in reted range of output) • which current output two-wire connection Yes Load impedance (in reted range of output) • which current output with owners of the outputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. 14 bit Settling time • for resistive load 4 ms • for inductive load 40 ms • for inductive load 50 ms Temperature error (relative to output range), (+/-) Temperature error (relative to output range), (+/-) Temperature error (relative to output range), (+/-) Operational error limit in overall temperature range • Current, relative to output range, (+/-) Basic error limit (operational limit at 25 °C) • Current, relative to output range, (+/-) Basic error limit (operational limit at 25 °C) • Current, relative to output range, (+/-) Basic stror limit (operational limit at 55 °C) • Current, relative to output range, (+/-) Basic stror limit (operational limit at 25 °C) • Current, relative to output range, (+/-) Basic stror limit (operational limit at 25 °C) • Current, relative to output range, (+/-) Bubblittute values connectable Yes	General information		
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Power loss, typ. 2.7 W Analog outputs Number of analog outputs 4 Cycle time (all channels) max. 3.6 ms Output ranges, current • 0 to 20 mA Yes • 10 to 20 mA Yes Connection of actuators • 10 cournent output two-wire connection Yes Load impedance (in rated range of output) • with current outputs, max. 750 Ω Cable length • shielded, max. 500 m Analog value generation for the outputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. 14 bit Settling time • 10 re resistive load 40 ms • 10 re resistive load 40 ms • 10 rinductive load 40 ms Errors/accuracies Linearity error (relative to output range), (+/-) 0.015 % Temperature error (relative to output range), (+/-) 0.005 %/K Crosstalk between the outputs, min. 500 m Repeat accuracy in steady state at 25 °C (relative to output range), (+/-) 0.15 % Basic error limit (operational limit at 25 °C) • Current, relative to output range, (+/-) 0.1 % Interrupts/diagnostics/status information Substitute values connectable Yes	from load voltage L+ (without load), max.	330 mA	
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	Settling time		
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Temperature error (relative to output range), (+/-) Crosstalk between the outputs, min. Repeat accuracy in steady state at 25 °C (relative to output range), (+/-) Operational error limit in overall temperature range • Current, relative to output range, (+/-) Basic error limit (operational limit at 25 °C) • Current, relative to output range, (+/-) Interrupts/diagnostics/status information Substitute values connectable O.005 %/K -50 dB 0.01 % 0.01 % 0.15 % D.15 % D.16 % D.17 % D.17 % D.18 % D.19	Errors/accuracies		
Crosstalk between the outputs, min. Repeat accuracy in steady state at 25 °C (relative to output range), (+/-) Operational error limit in overall temperature range • Current, relative to output range, (+/-) Basic error limit (operational limit at 25 °C) • Current, relative to output range, (+/-) Interrupts/diagnostics/status information Substitute values connectable -50 dB 0.01 % 0.11 %	Linearity error (relative to output range), (+/-)	0.015 %	
Repeat accuracy in steady state at 25 °C (relative to output range), (+/-) Operational error limit in overall temperature range • Current, relative to output range, (+/-) Basic error limit (operational limit at 25 °C) • Current, relative to output range, (+/-) Interrupts/diagnostics/status information Substitute values connectable O.01 % O.1 % Interrupts/diagnostics/status information Yes	Temperature error (relative to output range), (+/-)	0.005 %/K	
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Basic error limit (operational limit at 25 °C) • Current, relative to output range, (+/-) Interrupts/diagnostics/status information Substitute values connectable Yes	Operational error limit in overall temperature range		
Current, relative to output range, (+/-) Interrupts/diagnostics/status information Substitute values connectable Yes	Current, relative to output range, (+/-)	0.15 %	
Interrupts/diagnostics/status information Substitute values connectable Yes	Basic error limit (operational limit at 25 °C)		
Substitute values connectable Yes	• Current, relative to output range, (+/-)	0.1 %	
	Interrupts/diagnostics/status information		
Alarma	Substitute values connectable	Yes	
Alams	Alarms		

Diagnostic alarm	Yes
Diagnoses	
 Diagnostic information readable 	Yes
Wire-break	Yes
Short-circuit	Yes
Diagnostics indication LED	
 Group error SF (red) 	Yes
Potential separation	
Potential separation analog outputs	
 between the channels 	No
 between the channels and backplane bus 	Yes
Standards, approvals, certificates	
CE mark	Yes
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Weights	
Weight, approx.	265 g

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