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Data sheet 6ES7135-7TD00-0AB0



Figure similar

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

General information	
Product type designation	4AQ I HART
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
Output 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 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	
● for resistive load	4 ms
● for capacitive load	40 ms
● for inductive 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.	-50 dB
Repeat accuracy in steady state at 25 °C (relative to output range), (+/-)	0.01 %
Operational error limit in overall temperature range	
● Current, 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
Alarms	

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● 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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