

SIEMENS

Product data sheet

6ES7135-7TD00-0AB0



SIMATIC DP,
ELECT. SUBMODULE FOR ET200ISP,
4 AO HART, 4 - 20mA,
FOR CONNECTION OF HART FIELD DEVICES

Input current	
from load voltage 1L+, max.	330 mA
Power losses	
Power loss, max.	2.7 W
Analog outputs	
Number of analog outputs	4
Cycle time (all channels) max.	3.6 ms
Output ranges, current	
4 to 20 mA	Yes
Connection of actuators	
for current output 2-conductor connection	Yes
Load impedance (in rated range of output)	
with current outputs, max.	750 Ω
Cable length	
Cable length, shielded, max.	500 m

Analog value creation	
Integrations 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 area)	+/- 0.015 %
Temperature error (relative to output area)	+/- 0.005 %/K
Crosstalk between the outputs, min.	-50 dB
Repeat accuracy in settled status at 25 °C (relative to output area)	+/- 0.01 %
Operational limit in overall temperature range	
Current, relative to output area	+/- 0.15 %
Basic error limit (operational limit at 25 °C)	
Current, relative to output area	+/- 0.1 %
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
Diagnostic information readable	Yes
Wire break	Yes
Short circuit	Yes
Diagnostics indication LED	
Group error SF (red)	Yes
Galvanic isolation	
Galvanic isolation analog outputs	
between the channels	No
between the channels and the backplane bus	Yes
Standards, approvals, certificates	
CE mark	Yes

Use in hazardous areas	
Type of protection acc. to EN 50020 (CENELEC)	II2 G (1) GD Ex ib[ia] IIC T4 and I M2 Ex ib[ia] I
Type of protection acc. to KEMA	04 ATEX 1250
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Weight	
Weight, approx.	265 g
Status	Jul 17, 2012