SIEMENS

Data sheet

6ES7135-4FB01-0AB0



SIMATIC DP, Electronics module f. ET200S, 2 AO U, 15 mm width, +/-10V; 13 bit+sign, 1..5 V; 12 bit, Cycle time less than 1 ms 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.	130 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, max.	2 W
Address area	
Address space per module	
 Address space per module, max. 	4 byte
Analog outputs	
Number of analog outputs	2
Voltage output, short-circuit protection	Yes
Voltage output, short-circuit current, max.	25 mA
Cycle time (all channels) max.	1.5 ms
Output ranges, voltage	
• 1 V to 5 V	Yes
• -10 V to +10 V	Yes
Connection of actuators	
 for voltage output two-wire connection 	Yes; Without compensation of the line resistances
for voltage output four-wire connection	Yes
Load impedance (in rated range of output)	
with voltage outputs, min.	1 kΩ
with voltage outputs, capacitive load, max.	1 µF
Destruction limits against externally applied voltages and cur	
Voltages at the outputs towards MANA	15 V; max. 15 V continuous; 75 V for max. 1 s (mark to space ratio 1:20)
• Current, max.	50 mA; DC
Cable length	200 m
shielded, max. And a value ground in fact the autout.	200 111
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	44 52 4 4 5 7 1/4 40 52 440 1/4 40 52 52 52 52 52 52 52 52 52 52 52 52 52
 Resolution with overrange (bit including sign), max. 	14 bit; 1 to 5 V: 12 bit, ±10 V: 13 bit + sign

Settling time	
for resistive load	0.1 ms
for capacitive load	0.5 ms
 for inductive load 	0.5 ms
Errors/accuracies	
Operational error limit in overall temperature range	
 Voltage, relative to output range, (+/-) 	0.4 %
Basic error limit (operational limit at 25 °C)	
 Voltage, relative to output range, (+/-) 	0.2 %
Interrupts/diagnostics/status information	
Diagnoses	
 Diagnostic information readable 	Yes
Short-circuit	Yes
Group error	Yes
Diagnostics indication LED	
 Group error SF (red) 	Yes
Parameter	
Remark	7 byte
Diagnostics short-circuit	Disable / enable
Group diagnostics	Disable / enable
Response to CPU/master STOP	Output current and de-energized/substitute a value/keep last value
Potential separation	
Potential separation analog outputs	
 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
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