SIEMENS

Data sheet 6ES7135-4GB01-0AB0

SIMATIC DP, Electronics module for ET 200S, 2 AO I 15 mm width, +/-20mA; 13 bit+sign, 4..20mA; 13 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.	150 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
Current output, no-load voltage, max.	18 V
Cycle time (all channels) max.	1.5 ms
Output ranges, current	
● -20 mA to +20 mA	Yes
● 4 mA to 20 mA	Yes
Connection of actuators	
● for current output two-wire connection	Yes
● for current output four-wire connection	No
Load impedance (in rated range of output)	
● with current outputs, max.	500 Ω
● with current outputs, inductive load, max.	1 mH
Destruction limits against externally applied voltages and currents	
● 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 / at the analog outputs / as destruction limit for externally applied voltage / maximum permissible	50 mA; DC
Cable length	
● shielded, max.	200 m
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
● Resolution with overrange (bit including sign), max.	14 bit; 4 to 20 mA: 13 bit, ±20 mA: 14 bit
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	
● Current, relative to output range, (+/-)	0.5 %
Basic error limit (operational limit at 25 °C)	
● Current, relative to output range, (+/-)	0.3 %
Interrupts/diagnostics/status information	
Diagnoses	
● Diagnostic information readable	Yes
● Wire-break	Yes
● Group error	Yes
Diagnostics indication LED	
● Group error SF (red)	Yes
Parameter	
Remark	7 byte
Diagnostics wire break	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

last modified: 9/11/2023