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Data sheet 6ES7135-4GB52-0AB0

SIMATIC DP, Electronics module for ET 200S, 2 AO I High Speed 15 mm width, +/-20mA; 16 bit, 4..20 mA; 16 bit, Cycle time 0.1 ms with SF LED (group fault)



Figure similar

General information	
Product function	
• Isochronous mode	Yes
Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	150 mA; With load
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	2.4 W
Address area	
Address space per module	
• Address space per module, max.	4 byte

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Analog outputs	
Number of analog outputs	2
Current output, no-load voltage, max.	18 V
Cycle time (all channels) max.	250 µs
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; for TWA 100µs
Destruction limits against externally applied voltages and currents	
• Voltages at the outputs towards MANA	15 V; Max. 15 V / 5 hours (higher voltages not permissible even briefly)
• Current, max.	30 mA; DC
Cable length	
• shielded, max.	200 m; Max. 20 m for TWA 100 µs

Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
• Resolution with overrange (bit including sign), max.	16 bit
Settling time	
• for resistive load	0.05 ms
• for capacitive load	0.05 ms; At a load of up to 500 Ω / 100 nF and a max. cable length of 20 m
• for inductive load	0.05 ms

Errors/accuracies	
Operational error limit in overall temperature range	
• Current, relative to output range, (+/-)	0.2 %; Specified value applies to loads from 200 to 350 Ohm, deviating operational limits for loads up to 200 Ohm and from 350 to 500 Ohm with up to 0.4%
Basic error limit (operational limit at 25 °C)	
• Current, relative to output range, (+/-)	0.1 %; Specified value applies for loads from 200 to 350 ohms, deviating basic error limits for loads up to 200 ohms and from 350 to 500 ohms with up to 0.3%

Interrupts/diagnostics/status information	
Diagnoses	
• Diagnostic information readable	Yes
• Wire-break	Yes
• Group error	Yes

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Diagnostics indication LED	
• Group error SF (red)	Yes
Parameter	
Remark	7 byte
Diagnostics wire break	Disable / enable
Output type/range	deactivated / ±20 mA / 4 to 20 mA
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: 12/09/2020

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