SIEMENS

Data sheet 6ES7135-4LB02-0AB0



*** Spare part *** SIMATIC DP, Electronics module 2 AO U High Feature for ET 200S, 15 mm width, Cycle time per module: 0.5 ms, +/-10V; 15 bit+sign, 1.. 5V; 15 bit, Operational limit +/-0.07% with SF LED (group fault)

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.	80 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, max.	1.2 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.	0.5 ms; At max. 0.5 µF
Output ranges, voltage	
● 1 V to 5 V	Yes
● -5 V to +5 V	Yes
● -10 V to +10 V	Yes
Connection of actuators	
● for voltage output two-wire connection	Yes
● 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.	0.5 µF
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)
Cable length	
● shielded, max.	200 m; 100 m if Twa < 2 ms
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
● Resolution with overrange (bit including sign), max.	16 bit; 15 bit + sign
Settling time	
● for resistive load	0.2 ms
● for capacitive load	0.5 ms; At max. 0.5 µF

Subject to change without notice
© Copyright Siemens

● for inductive load	0.5 ms
Errors/accuracies	
Operational error limit in overall temperature range	
● Voltage, relative to output range, (+/-)	0.1 %
Basic error limit (operational limit at 25 °C)	
● Voltage, relative to output range, (+/-)	0.05 %
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
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

last modified: 5/22/2024

© Copyright Siemens