SIEMENS

Data sheet 6ES7135-4GB52-0AB0



Figure similar

*** Spare part *** 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)

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
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

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● 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	
Substitute values connectable	Yes
Diagnoses	
● Diagnostic information readable	Yes
● Wire break	Yes
● Group error	Yes
Diagnostics indication LED	
● Group error SF (red)	Yes
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

Classifications

	Version	Classification
eClass	16	27-24-26-01
eClass	14	27-24-26-01
eClass	12	27-24-26-01
eClass	9.1	27-24-26-01
eClass	9	27-24-26-01
eClass	8	27-24-26-01
eClass	7.1	27-24-26-01
eClass	6	27-24-26-01
ETIM	10	EC001596
ETIM	9	EC001596
ETIM	8	EC001596
ETIM	7	EC001596
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration

General Product Approval	EMV	For use in hazard-

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					ous locations
EAC	CE EG-Konf.	UKCA	China RoHS	RCM	ATEX

For use in hazardous locations					
FM	ATEX	UL	ATEX	IECEx	Miscellaneous

For use in hazard-ous locations	Maritime application				
CCC-Ex	ABS	BUREAU VERITAS	DNV	LRS	NK / Nippon Kaiji Ky-okai

Maritime application		
PRS	RINA	CCS (China Classifica-tion Society)

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