MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7332-5HD01-0AB0

SM 332 FOUR-CHANNEL ANALOG OUTPUT MODULE

Used with the applicable SIMATIC S7-300 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official documentation applicable to 6ES7332-5HD01-0AB0

SIEMENS

productdatablad 6ES7332-5HD01-0AB0



SIMATIC S7-300, ANALOG OUTPUT SM 332,
OPTICALLY ISOLATED, 4 AO, U/I;
DIAGNOSTICS;
RESOLUTION 11/12 BITS, 20 PIN,
REMOVE/INSERT W. ACTIVE, BACKPLANE BUS

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Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	240 mA
from backplane bus 5 V DC, max.	60 mA
Power loss	
Werkelijk vermogensverlies / typisch	3 W
Analog outputs	
Aantal analoge uitgangen	4
Voltage output, short-circuit protection	Ja
Voltage output, short-circuit current, max.	25 mA
Current output, no-load voltage, max.	18 V
Output ranges, voltage	
0 to 10 V	Ja
1 to 5 V	Ja
-10 to +10 V	Ja
Output ranges, current	

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0 to 20 mA	Ja
-20 to +20 mA	Ja
4 to 20 mA	Ja
Load impedance (in rated range of output)	
with voltage outputs, min.	1 kΩ
with voltage outputs, capacitive load, max.	1 µF
with current outputs, max.	500 Ω
with current outputs, inductive load, max.	10 mH
Cable length	
Cable length, shielded, max.	200 m
Analog value generation	
Integration and conversion time/resolution per channel	
Resolution with overrange (bit including sign), max.	12 bit
Conversion time (per channel)	0,8 ms
Settling time	
for resistive load	0,2 ms
for capacitive load	3,3 ms
for inductive load	0,5 ms
Errors/accuracies	
Operational error limit in overall temperature range	
Voltage, relative to output area, (+/-)	0,5 %
Current, relative to output area, (+/-)	0,6 %
Basic error limit (operational limit at 25 °C)	
Voltage, relative to output area, (+/-)	0,4 %
Current, relative to output area, (+/-)	0,5 %
Interrupts/diagnostics/status information	
Substitute values connectable	Ja
Alarms	
Diagnostic alarm	Ja
Diagnostic messages	
Diagnostic information readable	Ja
Diagnostics	Ja
Diagnostics indication LED	
Group error SF (red)	Ja
Galvanic isolation	
Galvanic isolation analog outputs	
between the channels and the backplane bus	Ja
Dimensions	

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Breedte	40 mm
Hoogte	125 mm
Diepte	120 mm
Weights	
Weight, approx.	220 g
Status	7-jul-2014

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