

SIEMENS

Product data sheet

6ES7332-5RD00-0AB0


SIMATIC S7, ANALOG OUTPUT SM 332,
OPTICALLY ISOLATED, 4 AO,
0/4 UP TO 20 MA, 20 PIN,
FOR SIGNALS FROM HAZARDOUS AREAS
CAPABLE OF DIANOST.,
PTB-TESTED

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	180 mA
from backplane bus 5 V DC, max.	80 mA
Power losses	
Power loss, typ.	4 W
Analog outputs	
Number of analog outputs	4
Voltage output, short-circuit protection	Yes
Voltage output, short-circuit current, max.	70 mA
Current output, no-load voltage, max.	14 V
Output ranges, current	
0 to 20 mA	Yes

4 to 20 mA	Yes
Connection of actuators	
for current output 2-conductor connection	Yes
Load impedance (in rated range of output)	
with current outputs, max.	500 Ω
[nicht versorgt: TAK_ABT299_001_000]	
Cable length, shielded, max.	200 m
Analog value creation	
Integrations and conversion time/ resolution per channel	
Resolution with overrange (bit including sign), max.	15 bit
Basic conversion time, ms	2.5 ms
Errors/accuracies	
Operational limit in overall temperature range	
Current, relative to output area	+/- 0,55 %
Basic error limit (operational limit at 25 °C)	
Current, relative to output area	+/- 0,2 %
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic functions	Yes
Diagnostic information readable	Yes
Overrange	Yes
Wire break in actuator cable	Yes
Group error	Yes
Diagnostics indication LED	
Short circuit per channel (red)	Yes
Short-circuit group error (red)	Yes
Ex(i) characteristics	
Module for Ex(i) protection	Yes
Galvanic isolation	
Galvanic isolation analog outputs	
Galvanic isolation analog outputs	Yes
Permissible potential difference	

between outputs and MANA (UCM)	60 V DC/30 V AC when used in the hazardous area; 400 V DC/250 V AC when used in NON-hazardous area
between the outputs (UCM)	60 V DC/30 V AC when used in the hazardous area; 400 V DC/250 V AC when used in NON-hazardous area
Ambient conditions	
Operating temperature	
max.	60 °C
Standards, approvals, certificates	
Use in hazardous areas	
Type of protection acc. to EN 50020 (CENELEC)	[Ex ib] IIC
Type of protection acc. to FM	Class I, Division 2, Group A, B, C, D T4
Test number PTB	Ex-96.D.2026X
Connection method	
required front connector	20-pin
Weight	
Weight, approx.	280 g
Status	Aug 25, 2011