SIEMENS

Data sheet 6ES7232-0HD22-0XA0

*** spare part *** SIMATIC S7-200, analog output EM 232, only for S7-22X CPU, 4 AI, +/-10 V DC, 0..20 mA 12/11-bit converter

Input current	
from external supply (24 V DC), max.	70 mA
from backplane bus 5 V DC, max.	20 mA
Power loss	
Power loss, typ.	2 W
Analog outputs	
Number of analog outputs	4
Output ranges, voltage	
● -10 V to +10 V	Yes
Output ranges, current	
● 4 mA to 20 mA	Yes
Load impedance (in rated range of output)	
● with voltage outputs, min.	5 kΩ
● with current outputs, max.	0.5 kΩ
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
● Resolution with overrange (bit including sign), max.	12 bit; U / 12 bit, I / 11 bit
Settling time	
● for voltage output	100 µs
● for current output	2 ms
Displayable conversion value range	
● bipolar signals	-32 000 to +32 000
● unipolar signals	0 to 32 000
Errors/accuracies	
Operational error limit in overall temperature range	
● Voltage, relative to output range, (+/-)	2 %
● Current, relative to output range, (+/-)	2 %
Basic error limit (operational limit at 25 °C)	
● Voltage, relative to output range, (+/-)	0.5 %
● Current, relative to output range, (+/-)	0.5 %
Potential separation	
Potential separation analog outputs	
● Potential separation analog outputs	No
Connection method	
Plug-in I/O terminals	No
Dimensions	
Width	71.2 mm
Height	80 mm
Depth	62 mm
Weights	
Weight, approx.	190 g
Classifications	

	Version	Classification
eClass	16	27-24-22-01
eClass	14	27-24-22-01
eClass	12	27-24-22-01
eClass	9.1	27-24-22-01
eClass	9	27-24-22-01

© Copyright Plcbin

eClass	8	27-24-22-01
eClass	7.1	27-24-22-01
eClass	6	27-24-22-01
ETIM	10	EC001420
ETIM	9	EC001420
ETIM	8	EC001420
ETIM	7	EC001420
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

CE EG-Konf.

Miscellaneous

EAC

China RoHS

For use in hazardous locations

Ex ATEX

FM

Maritime application

ABS

BUREAU VERITAS

DNV

GL

Lloyd's Register LRS

RMRS

Maritime application

CCS (China Classification Society)

last modified: 8/24/2025

© Copyright Plcbin