SIEMENS

Data sheet 6ES7232-0HB22-0XA0

Spare part SIMATIC S7-200, Analog output EM 232, only for S7-22X CPU, 2 AO, +/-10 V DC, 12 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	2
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	46 mm
Height	80 mm
Depth	62 mm
Weights	
Weight, approx.	148 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

Subject to change without notice
© Copyright Siemens

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

For use in hazardous locations

Miscellaneous





China RoHS



FM

Maritime application













Maritime application

CCS (China Classification Society)

last modified: 8/24/2025

Subject to change without notice
© Copyright Siemens