

AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6ES7231-5ND32-0XB0

SIMATIC S7-1200 SM 1231 AI 4x16 bit

Siemens 6ES7231-5ND32-0XB0 is a SIMATIC S7-1200 SM 1231 AI 4x16 bit for industrial automation systems. The parameters below are derived from the exact Siemens article-number data sheet.

01

OFFICIAL PRODUCT PARAMETERS

Product designation	SM 1231 AI 4x16 bit
Supply voltage	24 V DC
Analog inputs	4 differential inputs
Voltage ranges	± 10 , ± 5 , ± 2.5 , ± 1.25 V
Current ranges	0-20 mA and 4-20 mA
Resolution	15 bit plus sign
Maximum cycle time	100 microseconds; all channels
Power loss	1.8 W typical
Backplane current	80 mA typical at 5 V DC
Voltage input limit	± 35 V maximum

Source: Siemens official product data sheet for article number 6ES7231-5ND32-0XB0.

02 MECHANICAL AND OPERATING DATA

Current input limit	40 mA maximum
Dimensions	45 x 100 x 75 mm
Approximate weight	180 g
Protection	IP20

03 ENGINEERING AND SAFETY NOTES

Verify the complete article number, electrical limits, terminal assignments, supported hardware configuration, grounding, EMC separation, enclosure conditions, and current Siemens documentation before installation or replacement.