SIMATIC S7-1500

Product Data Sheet

6ES7532-5NB00-0AB0

Two-Channel Voltage Current Output

ANALOG OUTPUT CHANNELS	RATED OUTPUT RESOLUTION	RATED SUPPLY	PERMITTED SUPPLY VOLTAGE
2	**16 bits**	**24 V DC**	**19.2 to 28.8 V DC**

Siemens 6ES7532-5NB00-0AB0 is the SIMATIC S7-1500 AQ 2xU/I ST analog output module. It provides two voltage or current channels with 16-bit resolution and a minimum all-channel cycle time of 3.2 ms. Supported ranges include bipolar and unipolar voltage and current signals.

01 TECHNICAL DATA

Analog output channels	2
Rated output resolution	16 bits
Rated supply	24 V DC
Permitted supply voltage	19.2 to 28.8 V DC
Maximum electronics current	110 mA
Backplane power demand	0.65 W
Typical power dissipation	2.7 W
Voltage output ranges	0-10 V; 1-5 V; -10 to +10 V
Current output ranges	0-20 mA; -20 to +20 mA; 4-20 mA
Minimum all-channel cycle	3.2 ms

02 ADDITIONAL PRODUCT DATA

Voltage short-circuit current maximum	24 mA
Current-output no-load voltage maximum	22 V
TIA Portal configuration	V13; integrated from V13.0.2
RUN reparameterization	Supported
RUN calibration	Supported

03 PRODUCT FUNCTION

The module requires 24 V DC within a permitted 19.2 to 28.8 V range, with a maximum electronics current of 110 mA. It supports reparameterization and calibration in RUN. The listed delivery includes a push-in front connector, infeed element, shielding bracket and shield terminal; controller and field wiring are configured separately.

04 SYSTEM COMPATIBILITY

Provide the 24 V load supply within 19.2 to 28.8 V and include both the 110 mA maximum electronics demand and 0.65 W backplane demand in the station budget. Connect the field wiring through the specified front-connector and shielding arrangement for the selected output type.

05 REFERENCE

Siemens 6ES7532-5NB00-0AB0 official product data; applicable specification pages.

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