SIMATIC ET 200AL AQ 4XU/I

Product Data Sheet

6ES7145-5ND00-0BA0

Four-channel analog output module

ANALOG OUTPUT CHANNELS	SIGNAL CONNECTOR ARRANGEMENT	NOMINAL LOAD SUPPLY	UNLOADED SUPPLY DEMAND
4	**4 x five-pole M12**	**24 V DC, 20.4-28.8 V**	**75 mA rated**

Siemens 6ES7145-5ND00-0BA0 is the AQ 4xU/I analog output module for SIMATIC ET 200AL. Four M12 signal connections carry configurable voltage or current outputs. The compact IP65/IP67 assembly uses a 24 V DC load supply within 20.4-28.8 V.

01 TECHNICAL DATA

Analog output channels	4
Signal connector arrangement	4 x five-pole M12
Nominal load supply	24 V DC, 20.4-28.8 V
Unloaded supply demand	75 mA rated
Typical loss	2.6 W
All-channel cycle	1 ms maximum
Voltage spans	0-10 V, 1-5 V, +/-10 V
Current spans	0-20 mA, 4-20 mA, +/-20 mA
Maximum output representation	16 bit including sign
Minimum voltage load	1 kohm

Siemens 6ES7145-5ND00-0BA0 original product data, applicable source pages 1, 2, 3.

02 ADDITIONAL PRODUCT DATA

Maximum current load	500 ohm
Shielded signal wiring	30 m maximum
Basic output error	+/-0.15% at 25 C
Ingress protection	IP65/IP67
Operating temperature	-30 to +55 C

03 PRODUCT FUNCTION

The module supports 0-10 V, 1-5 V and bipolar voltage ranges alongside unipolar and bipolar current ranges. All four channels update within one millisecond, with up to 16-bit representation including sign. Parameterized diagnostics distinguish current-loop wire breaks and voltage-output short circuits.

04 SYSTEM COMPATIBILITY

Match loads to the 1 kohm minimum voltage load or 500 ohm maximum current load. Preserve supply grouping, shielding and the completed connector seals.

05 REFERENCE

Siemens 6ES7145-5ND00-0BA0 original product data, applicable source pages 1, 2, 3.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM