AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-3AM03-0AA0

EM AM03 Mixed Analog Module

INPUTS	OUTPUT	INPUT / OUTPUT	ISOLATION
2 differential channels	**1 voltage/current channel**	**12-bit / 11-bit; + sign (V)**	**None to logic**

Siemens 6ES7288-3AM03-0AA0 combines two differential analog inputs and one analog output in an S7-200 SMART expansion module. Its input pair accepts selectable voltage or current measurement, while the single output provides a separately configured voltage or current signal.

01 VERIFIED TECHNICAL INFORMATION

Analog inputs	2 differential voltage/current inputs; selected as a pair
Analog output	1 voltage/current output
Input ranges	±10 V, ±5 V, ±2.5 V or 0 to 20 mA
Output ranges	±10 V or 0 to 20 mA
Input resolution	Voltage 12 bits + sign; current 12 bits
Output resolution	Voltage 11 bits + sign; current 11 bits
Input smoothing and rejection	None/weak/medium/strong; 400, 60, 50 or 10 Hz

Manufacturer evidence: S7-200 SMART System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Input impedance	V2.8 reference: voltage at least 1 megohm; current 290 ohms
Input common-mode limit	Signal plus common-mode voltage greater than -12 V and less than +12 V
Output load impedance	Voltage at least 1000 ohms; current at most 500 ohms
Field-to-logic isolation	None for input or output
Output behavior in STOP	Last value or substitute value; default substitute 0
SM bus current	60 mA
24 V DC current	30 mA no-load; 50 mA with 20 mA output load
Module power dissipation	1.1 W without load

03 SOURCE AND CONFIGURATION CHECKS

Input and output conversion use different resolutions and load conditions. Smoothing and noise rejection support measurement setup, while output behavior in STOP remains configurable. Both interfaces are non-isolated from logic; reference potentials, signal limits and the applicable module documentation require separate checks.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN

AMIKONG.COM