



AO, 12 Bit, I

AO 4x I, 0/4-20 mA, 12 Bit

- Output range 0 ... 20 mA, 4 ... 20 mA
- Resolution 12 bit
- Substitute value functionality
- Diagnostic messages
- A bi-color LED (blue/red) indicates the module operating status and any malfunctions
- 4 analog outputs, electrically isolated from the backplane bus
- 4 process output words (4 bytes)

Parameters for the module

Diagnostic alarm: On | Off

Representation values: SIMATIC* S7 | SIMATIC* S5 | INT16

Parameters for each channel

Wire break detection: On | Off

Output range: 0 ... 20 mA | 4 ... 20 mA

Substitute value functionality: Outputs de-energized | Retain last value | Apply substitute value

Substitute value: 16 bit analog value (± 27648)

Technical specifications

General information	
Order number	600-260-4AD01
Article name	AO 4x I, 0/4 ... 20 mA, 12 bit
Scope of delivery	AO 4x I, 0/4 ... 20 mA, 12 bit
Dimensions (DxWxH)	110 x 14 x 73 mm
Weight	Approx. 70 g
Number of outputs	4
Output ranges	0 ... 20 mA, 4 ... 20 mA
Electrical isolation	
from the backplane bus	Yes
Between the channels	No
Current draw	
External	Max. 100 mA
Internal	Max. 26 mA
Power dissipation	Max. 3 W
Connection for actuators	2-wire connection
Load resistance	Max. 600 ohms
Inductive load	Max. 100 mH
No-load voltage	max. 18 V

Measurement resolution	12 bit
Values presentation	SIMATIC* S7 SIMATIC* S5 INT16
Refresh time	0.2 ms
Settling time	0.2 ms for resistive loads, 2.2 ms for capacitive loads, 0.5 ms for inductive loads (≤ 1 mH), 3.3 ms for inductive loads (≤ 3.3 mH)
Diagnoses	External reference voltage missing (L+), wire break, parameter assignment error
Process alarms	Upper and lower limit per channel
Error limits	
Operational error limit in the entire temperature range	± 0.5 % relative to the nominal range
Basic error limit at 25 °C	± 0.3 % relative to the nominal range
Temperature error	± 0.005 %/K relative to the nominal range
Linearity error	± 0.05 %/K relative to the nominal range
Repeating accuracy in steady state at 25 °C	± 0.05 %/K relative to the nominal range
Parameter configuration length	13 bytes
General error indicator	Red LED
Hot-swap capable	Yes
Ambient conditions	
Ambient temperature	0 °C ... +60 °C
Transport and storage temperature	-20 °C ... +80 °C
Relative air humidity	95 % r H without condensation
Protection rating	IP 20
Certifications	CE, UL
UL	
Surrounding Air Temperature	0 °C ... +60 °C
Pollution degree	2
CE	
Noise immunity	DIN EN 61000-6-2 "EMC Immunity"
Interference emission	DIN EN 61000-6-4 "EMC Emission"
Vibration and shock resistance	DIN EN 60068-2-6:2008 „Vibration“, DIN EN 60068-2-27:2010 „Shock“
RoHS	Yes
REACH	Yes