600-261-4AB01



Analoge-output-module, U, 12 Bit

2x

- Output range ±10 V, 0–10 V, 1–5 V
- Resolution 11 bit + sign
- Substitute value functionality
- Diagnostic messages
- A bi-color LED (blue/red) indicates the module operating status and any malfunctions
- 2 analog outputs, electrically isolated from the backplane bus
- 2 process output words (4 bytes)

Info

Analog output modules for the modular fieldbus IO system TB20. Note: Individual modules cannot be combined with IO systems from other manufacturers.

The scope of delivery already includes the appropriate front connector for the cabling and a base module. The module has 2 analogue outputs.

Technical data

General information	
Order number	600-261-4AB01
Article name	AO 2 x U, ±10 V, 0–10 V, 1–5 V, 12 bit
Scope of delivery	AO 2 x U, ±10 V, 0–10 V, 1–5 V, 12 bit
Dimensions (DxWxH)	110 x 14 x 73 mm
Weight	Approx. 70 g
Parameter configuration length	7 bytes
General error indicator	Red LED
Hot-swap capable	Yes
Output	
Number of outputs	2
Measurement resolution	11 bit + sign
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+), short circuit to GND, parameter assignment error
Output ranges	±10 V,
Power dissipation	Max. 1.6 W
Connection for actuators	2-wire connection
Load resistance	Min. 1 kohm
Capacitive load	Max. 1 µF
Electrical isolation	
from the backplane bus	Yes
Between the channels	No
Current draw	
External	Max. 45 mA
Internal	Max. 24 mA
Short-circuit protection	
Short-circuit protection	Yes
Short-circuit current	Max. 25 mA
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
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"