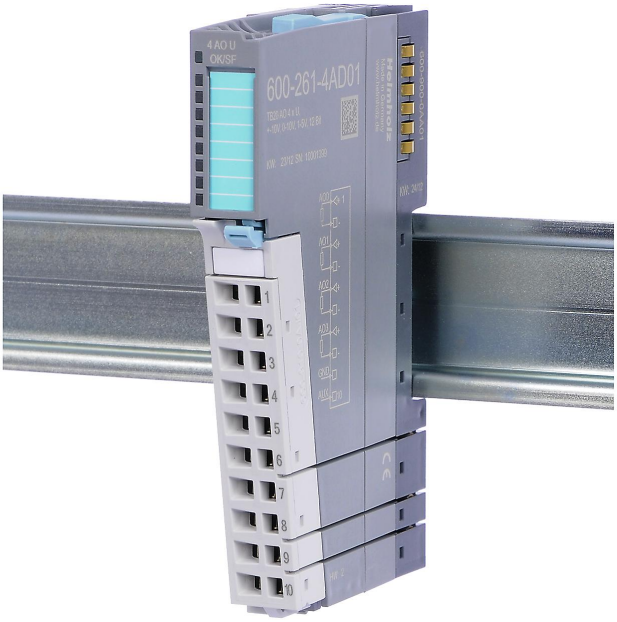
600-261-4AD01



Analoge-output-module, U, 12 Bit

4x

- 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
- 4 analog outputs, electrically isolated from the backplane bus
- 4 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 4 analogue outputs.

Technical data

General information	
Order number	600-261-4AD01
Article name	AO 4 x U, ±10 V, 0–10 V, 1–5 V, 12 bit
Scope of delivery	AO 4 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	13 bytes
General error indicator	Red LED
Hot-swap capable	Yes
Output	
Number of outputs	4
Output ranges	±10 V,
Power dissipation	Max. 2.4 W
Connection for actuators	2-wire connection
Load resistance	Min. 1 kohm
Capacitive load	Max. 1 µF
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
Electrical isolation	
from the backplane bus	Yes
Between the channels	No
Current draw	
External	Max. 75 mA
Internal	Max. 24 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"