

Analog Input / Output Modules



AO202/SI, AO204/SI Analog Output Modules

The analog input module AO20x / SI offers two or four high resolution analog 16 bit current output channels.

- 2 or 4 analog outputs
- Output current 0 to 20 mA
- Resolution: 16 bit
- Galvanic isolation of channels
- Galvanic isolation from system
- Short circuit proof outputs

Item	Item No.
AO202/SI	00012246-10
AO204/SI	00012246-00

Analog Input / Output Modules

AO202/SI, AO204/SI

Analog outputs

Quantity	2 (AO202/SI) or 4 (AO204/SI)
Output current	0 to 20 mA
Apparent ohmic resistance	Up to 500 Ω
Digital resolution	16 bit
Value of the LSB	305 nA
Cross-talk attenuation	>100 dB between the channels (50 to 60 Hz)
Error at 25 °C	± 0.2 %
Error at the entire temperature range	± 0.6 %
Setting time of 0.1 % of the output current range	Max. 3 ms
Galvanic isolation of channels	500 V
Galvanic isolation from system	500 V

Approvals / Certificates

General	CE, UL/cUL, CCC
Marine	GL/DNV, LR, ABS, BV

Ambient conditions

Operating temperature	-30 to +60 °C
Rel. humidity operation	5 to 95 % without condensation
Storage temperature	-40 to +85 °C
Rel. humidity storage	5 to 95 % with condensation
Pollution degree	2 (without condensation; according to IEC 60664-1)

Order Codes AO202/SI, AO204/SI

Item	Item No.	Description
AO202/SI	00012246-10	Analog output module; 2x Out 20mA; 16bit; 0.2%; single isolated
AO204/SI	00012246-00	Analog output module; 4x Out 20mA; 16bit; 0.2%; single isolated

Accessories

SS-AO202/SI B+C	00012378-50	Terminal set Phoenix screw side (2x SS 35/03) with labeling strip and coding elements
SS-AO204/SI B+C	00012379-50	Terminal set Phoenix screw side (4x SS 35/03) with labeling strip and coding elements
KS-AO204/SI B+C	00024539-00	Terminal set cage clamp small (4x KS 35/03) with labeling strip and coding elements