



## AO202/SI, AO204/SI Analog Output Modules

The analog output modules AO202/SI and AO204/SI offer 2 or 4 high accuracy analog 16 bit current output channels.

### Features

- 2 or 4 analog outputs
- Output current 0 mA to 20 mA
- 16 bit resolution
- Galvanic isolation between channels
- Galvanic isolation from the system
- Short circuit proof outputs

Part type designation	Part number
AO202/SI	00012246-10
AO204/SI	00012246-00

**AO202/SI, AO204/SI**

Analog outputs	
Number	2 (AO202/SI) or 4 (AO204/SI)
Output current	0 mA to 20 mA
Burden	Up to 500 $\Omega$
Digital resolution	16 bit
Value of LSB	305 nA
Cross-talk attenuation	> 100 dB between the channels (50 Hz to 60 Hz)
Error at 25°C	$\pm 0.2$ %
Error in the entire temperature range	$\pm 0.6$ %
Settling time of 0.1 % of the output range	Max. 3 ms
Galvanic isolation between channels	500 V
Galvanic isolation from the system	500 V
Approvals/Certificates	
General	CE, UKCA, cULus
Marine	ABS, BV, DNV, KR, LR, NK, RINA
Environmental conditions	
Operating temperature	-30 °C to +60 °C
Relative humidity, operation	5 % to 95 % noncondensing
Storage temperature	-40 °C to +85 °C
Relative humidity, storage	5 % to 95 % with condensation
Pollution degree acc. IEC 60664-1	2 (noncondensing)

**Order data**

Part type designation	Part number	Description
AO202/SI	00012246-10	Analog output module; 2x Out 20 mA; 16 bit; 0.2 %; single isolated
AO204/SI	00012246-00	Analog output module; 4x Out 20 mA; 16 bit; 0.2 %; single isolated

**Accessories**

Part type designation	Part number	Description
SS-AO202/SI B+C	00012378-50	Terminal set Phoenix screw lateral (2x SS 35/03) with labeling strips + coding elements
KS-AO204/SI B+C	00024539-00	Terminal set cage clamp narrow (4x KS 35/03) with labeling strips + coding elements
SS-AO204/SI B+C	00012379-50	Terminal set Phoenix screw lateral (4x SS 35/03) with labeling strips + coding elements