

# AM 008

## Analog output board

The analog output board AM 008 of the Compact PLC range provides 8 analog outputs as well as one universal counter input.

### Features

- **8 current outputs**  
0 mA...20 mA or 4 mA...20 mA
- **1 counter input**  
Universal counter input for up/down counting (max. 2 kHz), frequency and cycle duration measurement.



AM 008

### Technical data

#### Current outputs

Resolution D/A converter: 1024 steps at 10 Bit  
Digital range: 0...10000  
Output data refresh: all 0.1 s  
Load:  $\leq 500 \text{ Ohm}$   
Load influence:  $< 0.3 \%$   
Precision of measuring:  $< 1 \%$   
Protection: short circuit proof

#### Counter input

Type of input: potential free opto-isolated  
Min. impulse width: 100  $\mu\text{s}$   
Protection: polarity and overload protection  
Logical high: 10 V...36 V  
Logical low: 0 V...3 V  
Counting range: max. 0... $2^{32}$ , max. 2 kHz  
Frequency measurement: max. 2 kHz  
Cycle duration: 0.5 ms to 10 s

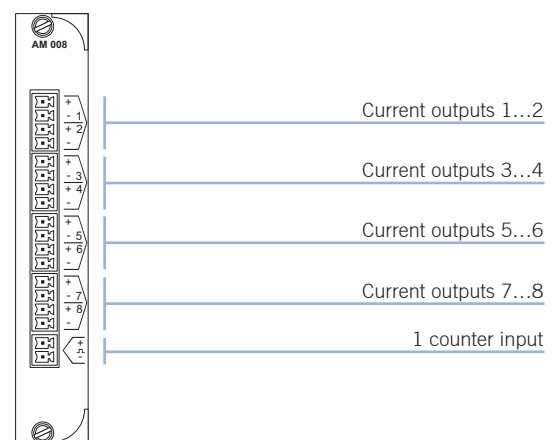
#### Power consumption

max. 50 mA at +5 V  
max. 10 mA at -5 V  
max. 200 mA at +15 V

#### Mechanical data

Dimensions front panel: 120 x 20 mm  
Slots required: 1  
Weight: 85 g

### Front view



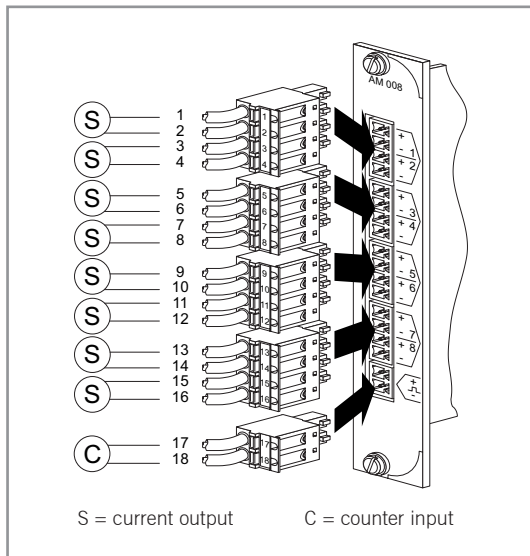
#### Temperature/protection

Storage temperature: -25 °C...+70 °C  
(-13 °F...+158 °F)  
Operating temperature: 0 °C...+55 °C  
(32 °F...+131 °F)  
Protective system: IP 20

#### EMC

Emitted Interference: DIN EN 55022  
DIN EN 61000-6-4  
Interference resistance: DIN EN 61000-6-2  
Security: DIN EN 60950-1

## Connection diagram



### Connections (plugs)

Connection via spring-type terminal blocks.  
Conductor size 0.14 to 1.5 mm<sup>2</sup> (stranded or solid)  
or stranded with ferrule 0.25 to 1.5 mm<sup>2</sup>, stripping  
length 8 mm.

## Scope of delivery

### Art. No. BGC05300

- 1 analog board AM 008
- 4 spring-type terminal blocks 4pole
- 1 spring-type terminal block 2pole

## Accessories

### Art. No. BGC25300

- 4 spring-type terminal blocks 4pole
- 1 spring-type terminal block 2pole