

AM 600

Analog input board

The analog input board AM 600 of the Compact PLC range provides 6 analog inputs as well as one universal counter input.

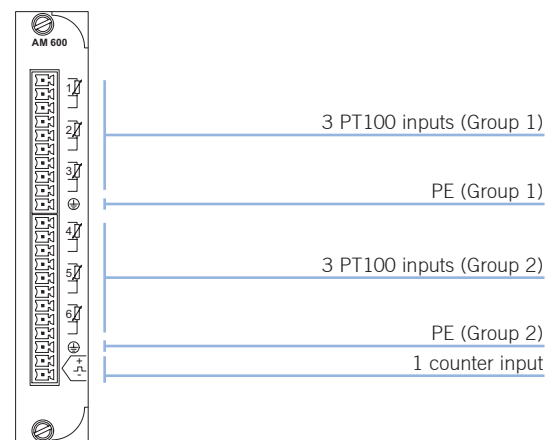
Features

- **6 PT100 inputs**
for range temperature measurement of 0 °C (32 °F) to 150 °C (302 °F).
- **1 counter input**
Universal counter input for up/down counting (max. 2 kHz), frequency and cycle duration measurement



AM 600

Front view



Technical data

PT100 inputs

Connection type:	DIN/JIS as three-conductor wiring
Influence of the connection cable:	automatic correction of the cable resistance by using the same cable length
Cable resistance:	max. 10 Ohm
Digital range:	0...10 000
Linearization:	Software
Linearity deviation:	< 0.2 %
Drift of temperature:	± 0.03 %/10 K
Measurement range exceeds upper or lower limit:	display of error messages
Protection:	short circuit proof
Power consumption:	1 mA

Counter input

Type of input:	potential free opto-isolated
Min. impulse width:	100 µs
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...10 s

Power consumption

max. 50 mA at +5 V
max. 8 mA at -5 V

Mechanical data

Dimensions front panel: 120 x 20 mm
Slots required: 1
Weight: 80 g

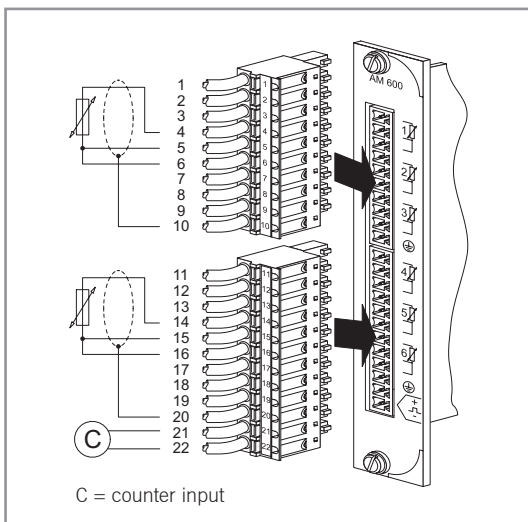
Temperature/protection

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 mm² (stranded or solid)
or stranded with ferrule 0.25 to 1.5 mm², stripping
length 8 mm.

Scope of delivery

Art. No. BGC05200

1 analog board AM 600
1 spring-type terminal block 10pole
1 spring-type terminal block 12pole

Accessories

Art. No. BGC25200

1 spring-type terminal block 10pole
1 spring-type terminal block 12pole