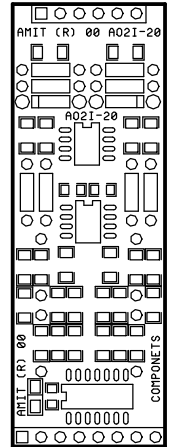


AM-AO2I

Analogue Outputs Module

- Analogue outputs module 2 × 0 to 20 mA
- Linear conversion TTL PWM → 0 to 20 mA
- +15 V, -5 V power supply, 5.0 V external reference
- Soft overvoltage protection



TECHNICAL DATA

Output range	0 to 20 mA DC
Conversion method	PWM
PWM frequency	2500 Hz
Galvanic separation	No
Conversion characteristics	Linear
Setting error	0.2 % *)
Power supply	15 V DC, -5 V DC ±10 %
Analogue reference voltage	5.0 V DC ±0.1 % external
Control signals	TTL
Conversion method	
Hi input state (mark-space ratio 0:1)	0 mA DC
Lo input state (mark-space ratio 1:0)	20 mA DC
Overvoltage protection	Transil 600W + Zener diode
Max. load	600 Ohm
Max. output voltage	12 V DC
Max. capacitive load	220 pF
Max. wire length	100 m
Transition time 0 to 20 mA with 1 % precision	Max. 25 ms
Residual ripple	40 µA
Thermal dependence	35 ppm/°C
Operating temperature	0 to 70 °C
Max. ambient humidity	< 95 % non-condensing
Cover protection rate	IP00
Dimensions (w × h × d)	20.5 × 60 × 15 mm
Weight	50 g
Connection terminals	PIN with 2.5 mm grid

*) Depends on the external reference precision and on the PWM stability

ORDERING INFORMATION

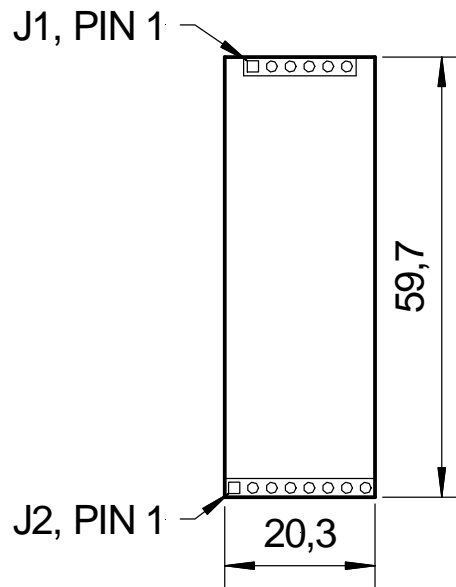
AM-AO2I	Converter module, warranty card, data sheet
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CONNECTORS WIRING

J2 connector		
PIN	Signal	Description
1	NC	Not used
2	V _{AREF}	Analogue reference input
3	+15 V	Power supply +15 V DC
4	-5 V	Power supply -5 V DC
5	PWM0	Input 0
6	PWM1	Input 1
7	GND	Ground
8	AGND	Analogue ground

J1 connector		
PIN	Signal	Description
1	AGND	Analogue ground
2	OUT0	Output 0
3	NC	Not used
4	NC	Not used
5	AGND	Analogue ground
6	OUT1	Output 1

PHYSICAL DIMENSIONS



(component side view)