



PWM202 Pulse Width Modulation Module

The pulse width modulation module PWM202 has 2 power outputs for direct activation of inductive or ohmic loads, such as DC motors, immersion coils etc. with pulse width modulated signals.

- 2 pulse-width modulated output channels
- 2 shielded DSub connectors for output channels
- Status indication: LED (green) per output
- Choice of high-power or TTL output level
- Monitoring of the load current
- Monitoring of the external supply voltage
- Monitoring of the internal temperature

Item	Item-No.
PWM202	00011056-00

PWM202	
Outputs	
Quantity	2
State indicating LEDs	RDY yellow, OUT-1 / OUT-2 green
Output voltage	18 to 48 V (= U_{external}) or TTL level
Output current	0 to 2 A at $f \leq 40$ kHz and $U_{\text{out}} \leq 48$ V ($T_A = +60$ °C)
Frequency	Channel 1: 3 Hz to 40 kHz adjustable Channel 2: 155 Hz to 40 kHz adjustable
Duty cycle	0 to 100 % individually adjustable for each channel
Resolution channel 1	16 bit, edge aligned or center aligned
Resolution channel 2	10 bit, edge aligned
Galvanic isolation from system	500 V
Load resistor	Normally 20 Ω
External power supply	
Voltage range	18 to 48 VDC
Power consumption	Max. 10 W + load
Reverse polarity protection	Yes
Monitoring	
External power supply	Yes, power-fail signal + interrupt
Overvoltage	Yes
Undervoltage	Yes
Overcurrent (channel)	Yes
Approvals / certificates	
General	CE, cULus, CCC
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 code		
Item	Item No.	Description
PWM202	00011056-00	Pulse width modulation module; 2 channels each 2A/48V or TTL; actuator or current regulation; isolated
Accessories		
KZ 51/03 B	00012052-00	Terminal 03-pins grid 5,08; cage clamp terminal with labeling strip