



IP2512-Bxxx | 2-channel pulse width output 24 V DC

The outputs of the IP2512 module provide a pulse width modulated version of a binary signal. The keying ratio is prescribed by a 16 bit value from the automation unit. The output is protected against overload and short circuit. In addition to the PWM operating mode, the outputs can also be frequency modulated or used to control stepper motors with specified pulses and direction. The module contains two channels that indicate their state by means of light emitting diodes. The LEDs are driven in time with the outputs and show the keying ratio by their brightness.

Technical data	IP2512-Bxxx
Number of outputs	2
Output connections	M12, screw type
Load type	ohmic, inductive
Nominal output voltage	24 V DC (-15 %/+20 %)
Max. output current	2.5 A per channel, individually short-circuit-proof
Current consumption from Us (without sensor current)	see documentation
Up/down channel	24 V DC, 0.5 A, short-circuit-proof
Base frequency	8 Hz...40 kHz, default: 250 Hz
Duty factor	0...100 % (T _{ON} > 750 ns, T _{OFF} > 500 ns)
Resolution	max. 10 bit
Freewheeling diode (output)	yes
Power supply connection	feed: 1 x M8 male socket, 4-pin; downstream connection: 1 x M8 female socket, 4-pin
Bit width in the process image	48 inputs/outputs: 2 x 16 bit data + 2 x 8 bit status
Electrical isolation	channels/control voltage: no, between the channels: no, control voltage/fieldbus: depends on the bus system
Operating/storage temperature	0...+55 °C/-25...+85 °C
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 65/66/67 (conforms to EN 60529)/variable
Approvals	CE, UL