



EJ2502 | 2-channel pulse width output 24 V DC

The EJ2502 output modulates the pulse width of a binary signal and outputs it electrically isolated from the E-bus. The mark/space ratio is prescribed by a 16 bit value from the automation unit. The output stage is protected against overload and short-circuit. The EJ2502 has two channels that indicate their signal state via LEDs.

Technical data	EJ2502
Number of outputs	2
Rated load voltage	24 V DC (-15 %/+20 %)
Load type	ohmic, inductive, lamp load
Distributed clocks	–
Max. output current	0.5 A (short-circuit proof) per channel
Short circuit current	typ. < 1.5 A
Base frequency	1...20 kHz, 250 Hz default
Duty factor	0...100 %
Resolution	9...15 bit
Reverse voltage protection	yes
Switching times	T _{ON} :> 750 ns, T _{OFF} :> 500 ns
Power supply	via the E-bus
Current consumption E-bus	typ. 110 mA
Electrical isolation	500 V (E-bus/field potential)
Auxiliary power current	typ. 10 mA + load
Bit width in the process image	2 x 16 bit output
Special features	separate frequency can be set for each channel
Dimensions (W x H x D)	approx. 12 mm x 66 mm x 55 mm
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection class	IP 20
Approvals	CE, UL