



EL2202 | 2-channel digital output terminal 24 V DC, T_{ON}/T_{OFF} 1 μ s, push-pull outputs, tri-state

The EL2202 digital output terminal connects the binary control signals from the automation unit on to the actuators at the process level with electrical isolation. This terminal benefits from very small output delay and is therefore suitable for signals requiring particularly fast output. The EtherCAT Terminal supports distributed clocks, i.e. output data can be monitored synchronously with other data from terminals with distributed clock support, if the user switches to terminal version EL2202-0100 (see documentation). The DC accuracy across the system is $\ll 1 \mu$ s. The EtherCAT Terminal has a push-pull output that enables the output to be connected actively to 24 V, 0 V or high-resistance. The EL2202 contains two channels, whose signal state per channel is indicated via LEDs.

Technical data	EL2202 ES2202
Connection technology	4-wire
Number of outputs	2
Rated load voltage	24 V DC (-15 %/+20 %)
Load type	ohmic, inductive, lamp load
Distributed clocks	– (EL2202-0100 yes)
Distributed clock precision	$\ll 1 \mu$ s
Max. output current	0.5 A (short-circuit-proof in push operation) per channel
Short circuit current	typ. < 1.5 A
Reverse voltage protection	yes
Breaking energy	< 150 mJ/channel
Switching times	typ. T_{ON} : < 1 μ s, typ. T_{OFF} : < 1 μ s
Output stage	push-pull, high-ohmic
Current consumption E-bus	typ. 130 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 30 mA + load
Bit width in the process image	2 outputs, 2 bit enable tri-state
Configuration	no address or configuration setting
Special features	can be converted to DC version EL2202-0100, outputs connectable in high-resistance mode
Weight	approx. 60 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
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 20/variable
Pluggable wiring	for all ESxxxx terminals
Approvals	CE, UL, Ex

Special terminals	
EL2202-0100	preset to DC

Further information

XFC

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