



EL1202 | 2-channel digital input terminal 24 V DC, T_{ON}/T_{OFF} 1 μ s

The EL1202 digital input terminal acquires the binary control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation unit. It is suitable for particularly fast signals due to its very low input delay. The EtherCAT Terminal can support distributed clocks, i.e. the input data can be monitored synchronously with other data that are also linked to distributed clock terminals. To this end, the user has to switch to terminal version EL1202-0100 (see documentation). The DC accuracy across the system is $\ll 1 \mu$ s. For this, the user has to switch the terminal to the EL1202-0100 version (see documentation). The EL1202 contains two channels whose signal state is indicated via LEDs.

Technical data	EL1202 ES1202
Connection technology	4-wire
Specification	similar to EN 61131-2, type 3, "0": -3...5 V DC, "1": 11...30 V DC, typ. 3 mA input current
Number of inputs	2
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	-3...+5 V (similar to EN 61131-2, type 3)
"1" signal voltage	11...30 V (similar to EN 61131-2, type 3)
Input current	typ. 3 mA (similar to EN 61131-2, type 3)
Input filter	typ. < 1 μ s
Precision of timestamp in the terminal	10 ns (+ input delay)
Distributed clock precision	$\ll 1 \mu$ s
Input delay T_{ON}/T_{OFF}	< 1 μ s
Distributed clocks	can be activated, see documentation
Current consumption power contacts	typ. 6 mA + load
Current consumption E-bus	typ. 110 mA
Electrical isolation	500 V (E-bus/field potential)
Bit width in the process image	2 inputs
Configuration	no address or configuration setting
Special features	DC can be activated, see documentation
Weight	approx. 55 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

Further information

XFC

eXtreme Fast Control Technology