



EL1124, EL1144, EL1134 | 4-channel digital input terminals 5 V DC, 12 V DC, 48 V DC

The EL1124 (5 V DC), EL1144 (12 V DC) and EL1134 (48 V DC) digital input terminals acquire the binary control signals and transmit them, in an electrically isolated form, to the higher-level automation unit. The EtherCAT Terminals contain four channels that indicate their signal state by means of light emitting diodes. These versions have different input voltages.

Technical data	EL1124 ES1124	EL1144 ES1144	EL1134 ES1134
Number of inputs	4		
Nominal voltage	5 V DC	12 V DC	48 V DC
"0" signal voltage	< 0.8 V	< 2.4 V	< 10 V (EN 61131-2, type 1)
"1" signal voltage	> 2.4 V	> 8.5 V	> 34 V (EN 61131-2, type 1)
Input current	typ. 50 μ A	typ. 3 mA	typ. 3 mA (EN 61131-2, type 1)
Input filter	<< 1 μ s (typ. 50 ns)	10 μ s	10 μ s
Current consumption E-bus	typ. 90 mA		
Electrical isolation	500 V _{rms} (E-bus/field potential)		
Bit width in the process image	4 inputs		
Configuration	no address or configuration setting		
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 60068-2-27/29		
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		
Further information	www.beckhoff.com/EL1124		