



EL1084 | 4-channel digital input terminal 24 V DC, ground switching

The EL1084 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. Four 2-wire sensors can be connected to the EL1084. The EtherCAT Terminal indicates its signal state by means of light emitting diodes.

Technical data	EL1084, ES1084
Connection technology	2-wire
Specification	ground switching "0": 18...30 V DC, "1": 0...7 V DC, typ. 3 mA input current
Number of inputs	4
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	18...30 V
"1" signal voltage	0...7 V
Input current	typ. 3.0 mA
Input filter	typ. 3.0 ms
Distributed clocks	–
Current consumption power contacts	typ. 20 mA
Current consumption E-bus	typ. 90 mA
Electrical isolation	500 V (E-bus/field potential)
Bit width in the process image	4 inputs
Configuration	no address or configuration setting
Special features	2-wire connection
Weight	approx. 50 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/markings	CE, UL, ATEX
Ex marking	II 3 G Ex nA IIC T4 Gc