



EL1034 | 4-channel digital input terminal 24 V DC, potential-free inputs

The EL1034 digital input terminal acquires the binary 24 V control signals and transmits them, in an electrically isolated form, to the higher-level automation system. The EtherCAT Terminal contains four channels that indicate their signal state by means of light emitting diodes. The EL1034 features electrical isolation of individual channels. The input signal meets the requirements of EN 61131-2, type 1.

| Technical data | EL1034 ES1034 |
|------------------------------------|---|
| Connection technology | 2-wire |
| Specification | EN 61131-2, type 1 |
| Number of inputs | 4 |
| Nominal voltage | 24 V DC (-15 %/+20 %) |
| "0" signal voltage | -3...+5 V (EN 61131-2, type 1) |
| "1" signal voltage | 15...30 V (EN 61131-2, type 1) |
| Input current | typ. 3 mA (EN 61131-2, type 1) |
| Input filter | typ. 10 μ s |
| Distributed clocks | – |
| Current consumption power contacts | – |
| 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 | 4 electrically isolated fast inputs, potential-free |
| 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 | CE, UL, Ex |