



## EL1872-0010 | 16-channel digital input terminal 24 V DC, type 3, flat-ribbon cable connection, ground switching

The EL1872-0010 digital input terminal (ground switching) offers a very compact design with its 16 channels. A 20-pin connector enables the secure connection of plug connectors using insulation displacement contact, as is usual for ribbon cables and special round cables. This significantly simplifies the wiring of many channels. The input characteristic conforms to the type 3 specification EN 61131-2 and guarantees minimum power dissipation. 16 LEDs display the logical signal states of the inputs.

Technical data	EL1872-0010
Connection technology	flat-ribbon cable
Specification	ground switching "0": 18...30 V DC, "1": 0...7 V DC, typ. 3 mA input current
Number of inputs	16
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	18...30 V
"1" signal voltage	0...7 V
Input current	typ. 3 mA (EN 61131-2, type 3)
Input filter	typ. 10 $\mu$ s
Distributed clocks	–
Current consumption E-bus	typ. 100 mA
Electrical isolation	500 V (E-bus/field potential)
Special features	–
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
Approvals	CE, UL

Related products	
<b>EL1862</b>	16-channel digital input terminal 24 V DC, filter 3.0 ms, flat-ribbon cable connection, type 3
<b>EL1862-0010</b>	16-channel digital input terminal 24 V DC, filter 3.0 $\mu$ s, flat-ribbon cable connection, ground switching
<b>EL1872</b>	16-channel digital input terminal 24 V DC, filter 10 $\mu$ s, flat-ribbon cable connection, type 3