



**Sixteen channel digital output terminal with flat ribbon cable connection, 24 V<sub>DC</sub>**

The EL1862 and EL1872 digital input terminals offer a very compact design with their 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 and guarantees minimum power dissipation. 16 LEDs display the logical signal states of the inputs.

Technical data		EL1862	EL1872
Number of inputs		16	
Rated voltage		24 V <sub>DC</sub> (-15% / +20%)	
„0“ signal voltage		-3...+5 V (IEC 61131-2, Typ 1/3)	
„1“ signal voltage		11...30 V (IEC 61131-2, Typ 3)	
„0“ signal current		0 ...1,5 mA	
„1“ signal current		2,0 ...2,5 mA	
Input filter		3 ms	0,2 ms
Current consumption from E-Bus		typically. 130 mA	
Electrical isolation		500 V <sub>rms</sub> (E-Bus/field potential)	
Bit with in the process image		16 input bits	
Configuration		no address or configuration setting	
Weight		app. 50 g	
Dimensions (w x h x d)		15mm x 100mm x 70mm (aligned width 12mm)	
permissible ambient temperature range	during operation	-0°C ... +55°C* or -0°C ... +45°C**	
	during storage	-25°C ... +70°C	
permissible relative humidity		5% ... 95%, no condensation	
Mounting position		conforms to EN60068-2-6 / EN60068-2-27, EN60068-2-29	
Vibration/shock resistance		conforms to EN61000-6-2 / EN61000-6-4	
EMC resistance burst/ESD		vertical (up to 55°C), other (up to 45°C)	
Protection class / Approval		IP20 / CE	

\*) vertical mounting position      \*\*) other mounting positions