



Top view

## EL6731 | PROFIBUS master/slave terminal



The PROFIBUS master terminal EL6731 supports the PROFIBUS protocol with all its features. Within an EtherCAT Terminal network, it enables the integration of any PROFIBUS devices. Thanks to the PROFIBUS chip developed in-house, the terminal is equipped with the latest version of the PROFIBUS technology – including high-precision isochronous mode for axis control and expanded diagnostic options. These masters are the only ones that support different poll rates for the slaves. Features:

- Cycle times from 200  $\mu$ s are possible.
- PROFIBUS DP, PROFIBUS DP-V1, PROFIBUS DP-V2
- master and slave up to 12 Mbit/s
- powerful parameter and diagnostics interfaces
- The error management for each bus user is freely configurable.
- It is possible to read the bus configuration and automatically assign the “GSD” files.

Like the FC3101 PROFIBUS PCI card, the EL6731 can be used for connection to PROFIBUS networks. The terminal, however, enables a more space-saving implementation since no PCI slots are required in the Industrial PC.

Technical data	EL6731	EL6731-0010
Technology	PROFIBUS master terminal	PROFIBUS slave terminal
Cycle time	differing DP cycle times per slave are possible using the CDL concept	
Fieldbus	PROFIBUS DP (standard), PROFIBUS DP-V1 (Cl. 1+2: acyclic services, alarms), DP-V2, PROFIBUS MC (equidistant)	
Number of fieldbus channels	1	
Data transfer rates	9.6 kbaud...12 Mbaud	
Interfaces	1 x D-sub socket, 9-pin, galvanically decoupled	
Bus device	max. 125 slaves with up to 244 bytes input, output, parameter, configuration or diagnostic data per slave	
Hardware diagnosis	status LEDs	
Distributed clocks	yes	–
Bit width in the process image	total max.: 1.4 kbyte input and 1.4 kbyte output data	
Current consumption power contacts	–	
Current consumption E-bus	typ. 350 mA	
Weight	approx. 70 g	
Operating/storage temperature	-25...+60 °C/-40...+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, Ex	

System	
PROFIBUS	For further PROFIBUS products please see the <a href="#">system overview</a> .

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