



Top view

EL6090 | Display terminal with navigation switch and operating hours counter

The display terminal has an illuminated, low-reflection LC display with two lines of 16 characters. It can be used, for example, for displaying status messages or diagnostic information. A non-resettable operating hours counter is integrated and can be displayed and also read out via the controller.

Via the user program dynamic and static application-specific texts can be displayed, e.g. "Production counter: (count value)". If the output text is longer than 16 characters, the terminal automatically switches to scrolling text mode. Two special characters can be defined via a 5 x 8 pixel matrix.

The statuses of the navigation switch – up, down, left, right and enter – are transmitted to the controller as binary variables and can be used, for example, to control the display.

Technical data	EL6090
Technology	EtherCAT display terminal
Switch inputs	navigation switch: up, down, left, right, enter
Display	LC display, 2 x 16 characters (> 16 characters = scrolling text mode), switchable backlight
Special characters	2 characters (5 x 8 pixel matrix)
Operating hours counter	32 bit overflow after 136 years (no reset possible), secure data storage > 100 years (@15 minutes writing interval), accuracy: ±50 ppm
Time measuring	4 x 32 bit second counter (reset possible)
Counter	4 x 32 bit counter (reset possible)
Storage interval	manual/automatic every 15 minutes
Distributed clocks	–
Current consumption power contacts	–
Current consumption E-bus	typ. 80 mA
Weight	approx. 70 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