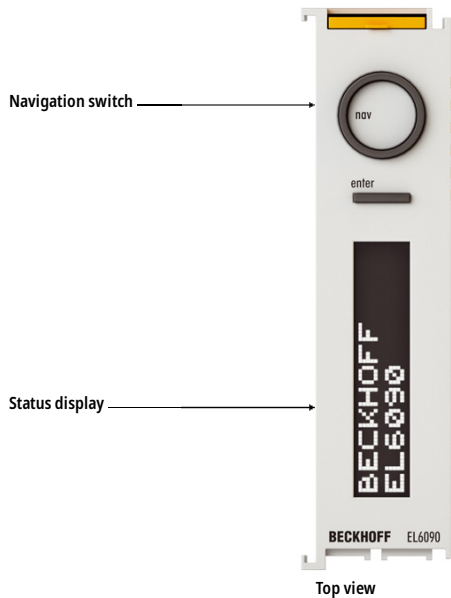
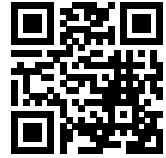


# EL6090 | EtherCAT Terminal, display with navigation switch, operating hours counter



## **i** Product status: Regular delivery

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. Furthermore, four internal 32 bit counters and four 32 bit timers are implemented, which are automatically and fail-safe stored in the terminal. Production times can be saved here and quantities as well as error or downtimes can be recorded.

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.

## Product information

### Technical data

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	manually/automatically 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. rating/installation pos.	IP20/variable
Approvals/markings	CE, UL

<b>Housing data</b>	<b>EL-24</b>
Design form	compact terminal housing with signal LEDs
Material	polycarbonate
Dimensions (W x H x D)	24 mm x 100 mm x 52 mm
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock
Side by side mounting by means of	double slot and key connection
Marking	–
Wiring	specific push-in connection