



## EL9540 | System terminal, surge filter and field supply

The EL9540 system terminal contains an overvoltage filter for the 24 V field supply. The filter protects the EtherCAT Terminal from line-bound surge voltages that can occur due to high-energy, dynamic disturbances such as switching overvoltages at inductive consumers or indirect lightning strikes at the supply lines.

The EL9540 protects the terminal station from damage in particularly harsh environments. The ship classification organisations require the use in shipbuilding applications and in the onshore/offshore sector.

Technical data	EL9540   ES9540
Technology	surge filter field supply
Nominal voltage	24 V (-15 %/+20 %)
Surge filter field supply	yes
Surge filter system supply	–
Rated current field supply	≤ 10 A
Rated current system supply	–
PE connection	yes
Electrical isolation	500 V (E-bus/field potential)
Diagnostics	–
Weight	approx. 50 g
Operating/storage temperature	-25...+60 °C/-40...+85 °C
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
Pluggable wiring	for all ESxxxx terminals
Approvals	CE, UL, Ex