



## EL9570 | Buffer capacitor terminal

The EL9570 EtherCAT Terminal contains high-performance capacitors for stabilising supply voltages. The EL9570 can be used in conjunction with the EL70x1 stepper motor terminals, the EL73x2 DC motor terminals and the EL72x1 servomotor terminals. Low internal resistance and high-pulsed current capability enable good buffering in parallel with a power supply unit. Return currents are stored, particularly in the context of drive applications, thereby preventing overvoltages. If the regenerative energy exceeds the capacity of the capacitors, energy can be dissipated via an external ballast resistor.

Technical data	EL9570   ES9570
Technology	buffer capacitor
Nominal voltage	50 V
Capacity	500 µF
Ripple current (max.)	10 A @ 100 kHz
Internal resistance	< 20 mΩ @ 100 kHz
Surge voltage protection	> 56 V
Recommended ballast resistor	see documentation
Overvoltage control range	±2 V
Ballast resistor clock rate	load-dependent, 2-point control
Electrical isolation	1,500 V (terminal/E-bus)
Diagnostics	–
Weight	approx. 90 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
Pluggable wiring	for all ESxxxx terminals
Approvals	CE, Ex

Related products	
<b>EL9571</b>	Buffer capacitor terminal, 80 V, 270 µF
<b>EL9576</b>	Buffer capacitor terminal, 72 V, 155 µF