



EL9570 | Buffer capacitor terminal, 50 V, 500 μ F

The EL9570 EtherCAT Terminal contains high-performance capacitors for stabilising supply voltages. The EL9570 can be used in conjunction with the EL7041 stepper motor terminal, the EL7342 DC motor terminal and the EL7201 and EL7211 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 braking resistor.

For new projects we recommend the EL9576 with its expanded scope of functions.

Technical data	EL9570 ES9570
Technology	buffer capacitor
Nominal voltage	50 V
Capacity	500 μ F
Ripple current (max.)	10 A @ 100 kHz
Internal resistance	< 20 m Ω @ 100 kHz
Chopper voltage	> 56 V
Recommended ballast resistor	see documentation
Overvoltage control range	\pm 2 V
Ballast resistor clock rate	load-dependent, 2-point control
Electrical isolation	1500 V (E-bus/field potential)
Diagnostics	–
Special features	for new projects: please use EL9576
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 with expanded scope of functions	
EL9576	brake chopper terminal, 72 V, 155 μ F