



Top view

Contact assembly

i EL9571 | Buffer capacitor terminal, 80 V, 270 μ F

The EL9571 EtherCAT Terminal contains high-performance capacitors for stabilising supply voltages. 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	EL9571 ES9571
Technology	buffer capacitor
Nominal voltage	80 V
Capacity	270 μ F
Internal resistance	< 10 m Ω @ 100 kHz
Surge voltage protection	> 85 V
Overtoltage control range	\pm 3 V
Ballast resistor clock rate	load-dependent, 2-point control
Electrical isolation	1500 V (E-bus/field potential)
Diagnostics	–
Weight	approx. 75 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

Related products with expanded scope of functions	
EL9576	brake chopper terminal, 72 V, 155 μ F

i Product announcement	estimated market release on request
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