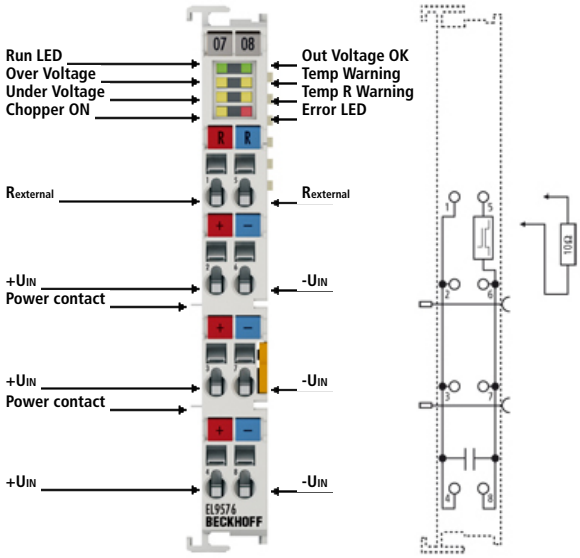

Top view Contact assembly

25 g

EL9576 | Brake chopper terminal

The EL9576 EtherCAT Terminal contains high-performance capacitors for stabilising supply voltages. The EL9576 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, thus preventing overvoltages. If the regenerative energy exceeds the capacity of the capacitors, energy can be dissipated via an external braking resistor. The corresponding threshold can be directly parameterised in the TwinCAT System Manager.

Technical data	EL9576 | ES9576
Technology	brake chopper
Nominal voltage	arbitrary up to 72 V
Capacity	155 µF
Ripple current (max.)	10 A
Internal resistance	< 5 mΩ
Chopper voltage	adjustable
Recommended ballast resistor	10 Ω, typ. 100 W (dependent on application)
Overvoltage control range	typ. 1 V, parameterisable by CoE data
Ballast resistor clock rate	load-dependent, max. 100 µs, 2-point control
Electrical isolation	1500 V (E-bus/field potential)
Diagnostics	temperature on board, over-/undervoltage
Special features	adjustabel threshold
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, UL

Accessories	
ZB8110	external braking resistor, 10 Ω, 100 W, for EL9576 brake chopper terminal and for KL9570 Bus Terminal