



## EJ9576 | Brake chopper module

The EJ9576 EtherCAT module contains high-performance capacitors for stabilising supply voltages. The EJ9576 can be used in conjunction with the EJ7047 stepper motor modules, the EJ7342 DC motor modules and the EJ7211-0010 servomotor modules. 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	EJ9576
Technology	brake chopper
Current consumption E-bus	typ. 85 mA
Nominal voltage	arbitrary up to 72 V
Capacity	155 µF
Ripple current (max.)	10 A
Internal resistance	< 5 mΩ
Chopper voltage	adjustable
Recommended braking resistor	10 Ω, typ. 100 W (dependent on application)
Overvoltage control range	typ. 1 V, parameterisable by CoE data
Braking 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	adjustable threshold
Dimensions (W x H x D)	approx. 12 mm x 66 mm x 55 mm
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection class	IP 20
Approvals	CE, UL