



## EJ7342 | 2-channel DC motor output stage 50 V DC, 3.5 A

The EJ7342 EtherCAT plug-in module enables direct operation of two DC motors. It is galvanically isolated from the E-bus. The speed or position is specified by the automation device via a 16 bit value. Connection of an incremental encoder enables a simple servo axis to be realised. The output stage is protected against overload and short-circuit, the common thermal overload warning applies to both output stages together. The EJ7342 has two channels that indicate their signal state via light emitting diodes. The LEDs enable quick local diagnosis.

Technical data	EJ7342
Technology	Compact Drive Technology
Load type	DC brush motor, inductive
Number of channels	2
Number of outputs	1 x DC motor per channel
Number of inputs	1 x end position, 1 x encoder per channel
Connection method	direct motor connection
Supply voltage electronics	24 V DC (via distribution board)
Supply voltage power	8...50 V DC (via distribution board)
Output current	max. 3.5 A per channel
PWM clock frequency	32 kHz with 180° phase shift each
Duty factor	0...100 % (voltage-controlled)
Resolution	max. 10 bits current, 16 bits speed
Encoder input signal	5...24 V DC, typ. 5 mA, single-ended
Input frequency	max. 400,000 increments/s (with 4-fold evaluation)
Auxiliary power current	typ. 70 mA (via distribution board)
Current consumption E-bus	typ. 160 mA
Distributed clocks	yes
Special features	travel distance control, encoder input
Electrical isolation	500 V (E-bus/field potential)
Weight	approx. 50 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/see documentation
Approvals	CE, UL

Accessories	
<b>EJ9576</b>	EtherCAT plug-in module, brake chopper module