



i EJ7041-0052 | Stepper motor module 50 V DC, 5 A

The EJ7041-0052 EtherCAT plug-in module is intended for use with stepper motors in the medium performance range. The PWM output stages cover a wide voltage and current range. Together with two inputs for limit switches, they are integrated in the EtherCAT plug-in module. By setting just a few parameters, the EJ7041-0052 module can be adapted to the individual motor and application at hand. 64-fold microstepping ensures particularly smooth and precise motor operation.

Technical data	EJ7041-0052
Technology	Compact Drive Technology
Load type	2-phase stepper motor (uni-/bipolar)
Number of channels	1
Number of outputs	1 x stepper motor
Number of inputs	2 x end position
Connection method	direct motor connection
Supply voltage electronics	24 V DC (via distribution board)
Supply voltage power	8...50 V DC (external)
Output current	max. 5.0 A
Step frequency	configurable up to 8000 full steps/s
Step pattern	64-fold micro stepping
Current controller frequency	approx. 30 kHz
Resolution	approx. 5000 positions in typ. applications (per revolution)
Auxiliary power current	typ. 50 mA
Current consumption E-bus	typ. 140 mA
Distributed clocks	yes
Special features	travel distance control
Electrical isolation	500 V (E-bus/field potential)
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
Protect. class/installation pos.	IP 20/see documentation
Approvals	CE



Product announcement

estimated market release 3rd quarter 2018