

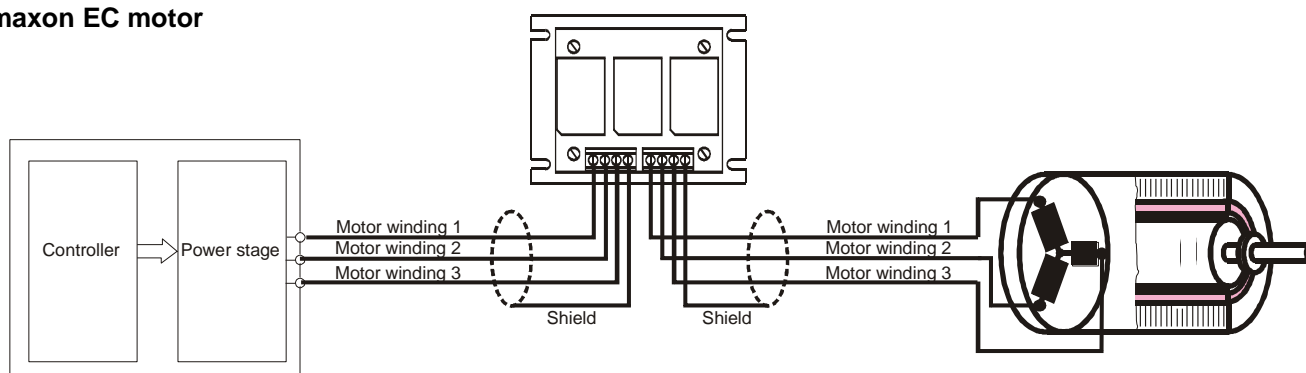
Pin Assignment

Plug input	Pin 1	Choke 1 input
	Pin 2	Choke 2 input
	Pin 3	Choke 3 input
	Pin 4	Shield

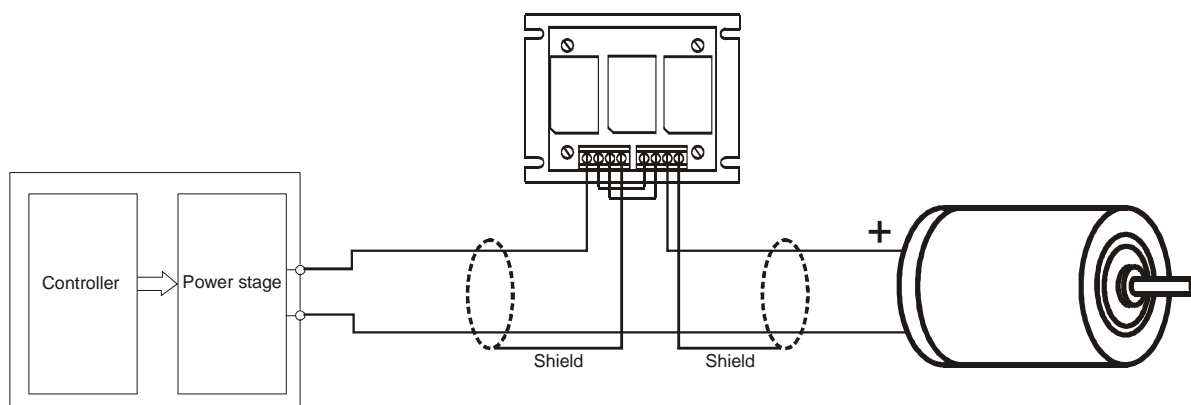
Plug output	Pin 1	Choke 1 output
	Pin 2	Choke 2 output
	Pin 3	Choke 3 output
	Pin 4	Shield

Examples

maxon EC motor



maxon DC motor



Sample Calculations

Motor type		maxon EC-4pole 30	maxon DC motor RE 40
Order number		305014	148866
Motor data			
Nominal current (max. continuous current): I_{max}		6.79A	6.00A
Terminal inductance (phase-phase): $L_{Motor(Ph-Ph)}$		0.0368mH	0.025mH
Linear storage choke data			3 pieces in series connection
Nominal DC current: I_N		10.0A	10.0A
Inductance at I_N : L_{Choke}		0.10mH	0.10mH
Total inductance:	$L_{Connection(Ph-Ph)}$	$L_{Motor(Ph-Ph)} + (2 \cdot L_{Choke})$	$L_{Motor(Ph-Ph)} + (3 \cdot L_{Choke})$
	$L_{Connection(Ph-Ph)}$	0.0368mH + (2 · 0.10mH)	0.0245mH + (3 · 0.10mH)
	$L_{Connection(Ph-Ph)}$	0.2368mH	0.3245mH
Continuous current check:	$I_{max} \leq I_N$	6.79A < 10.0A	6.00A < 10.0A