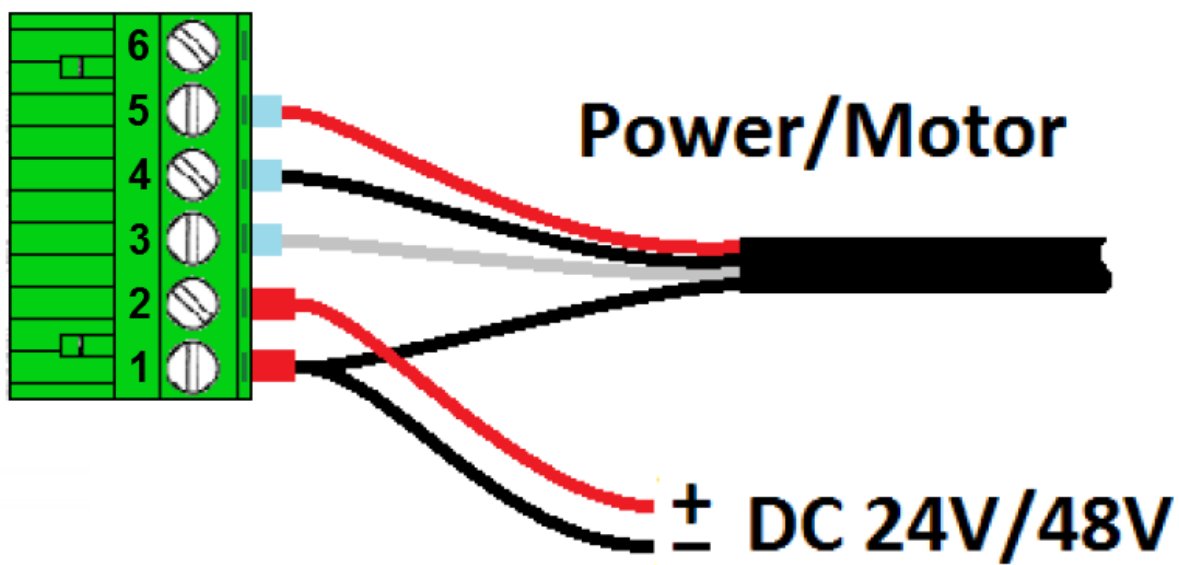


## Motor Resistance

### Measuring Motor Resistance

The motor resistance of a 3 phase linear motor needs to be measured with an actuator that is not connected to the controller or power supply. Numbering the connections on the green connector from 1 to 6 as shown below the table explains what the resistances should be.



Measured Between	Nominal Resistance	If R = 0	if R > 10kΩ	remark
3-4	5-35 Ω	short in coil or wiring	broken wire in coil or wiring	These 3 Resistances must be equal (within 10% Tolerance)
3-5	5-35 Ω	short in coil or wiring	broken wire in coil or wiring	
4-5	5-35 Ω	short in coil or wiring	broken wire in coil or wiring	
1-3	> 10kΩ	short from coil to housing or from wiring to ground	ok	

The resistance of the coils R(3-4), R(3-5) and R(4-5) are the phase to phase resistance of the motor and depend on the type and model of the actuator.