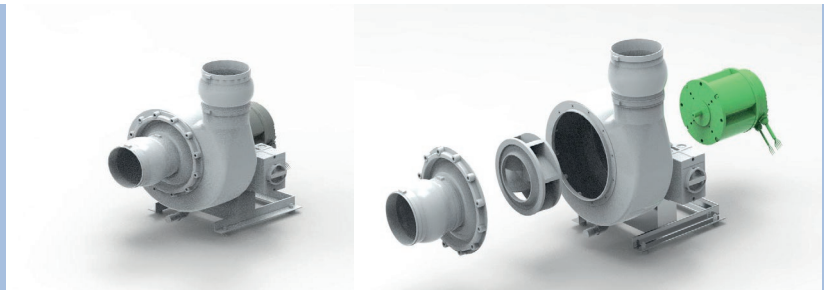


Wiring diagram for  
EC-motors with  
alternating current /  
single-phase motors



Motor cable	
black	phase
blue	neutral
yellow-green	equipotential bonding

Connections at repair switch					
Switch pins					Motor cable
on-site connection 230 V single-phase	←	L1	T1	→	black
	←	L2	T2	→	blue (neutral)

1. Connection only by trained and qualified electrician.
2. Before installation, check motor and motor connecting cable for damage.  
Replace defective cables by new cables, **don't repair** them.
3. Check, if the end crimps are firmly seated and replace them, if necessary.
4. Tighten the cable glands firmly, withdrawal of the cable must not be possible.
5. Connect the conductors to the repair switch according to the pin allocation table, **note the information given on the motor type label**.
6. The conductors must be put on correctly without squeezing or distortion in the repair switch.
7. The maximum cable length between potentiometer and EC motor is approximately 15 m .
8. Potential free status signaling contacts in the repair switch for on-site wiring on Wago connectors.



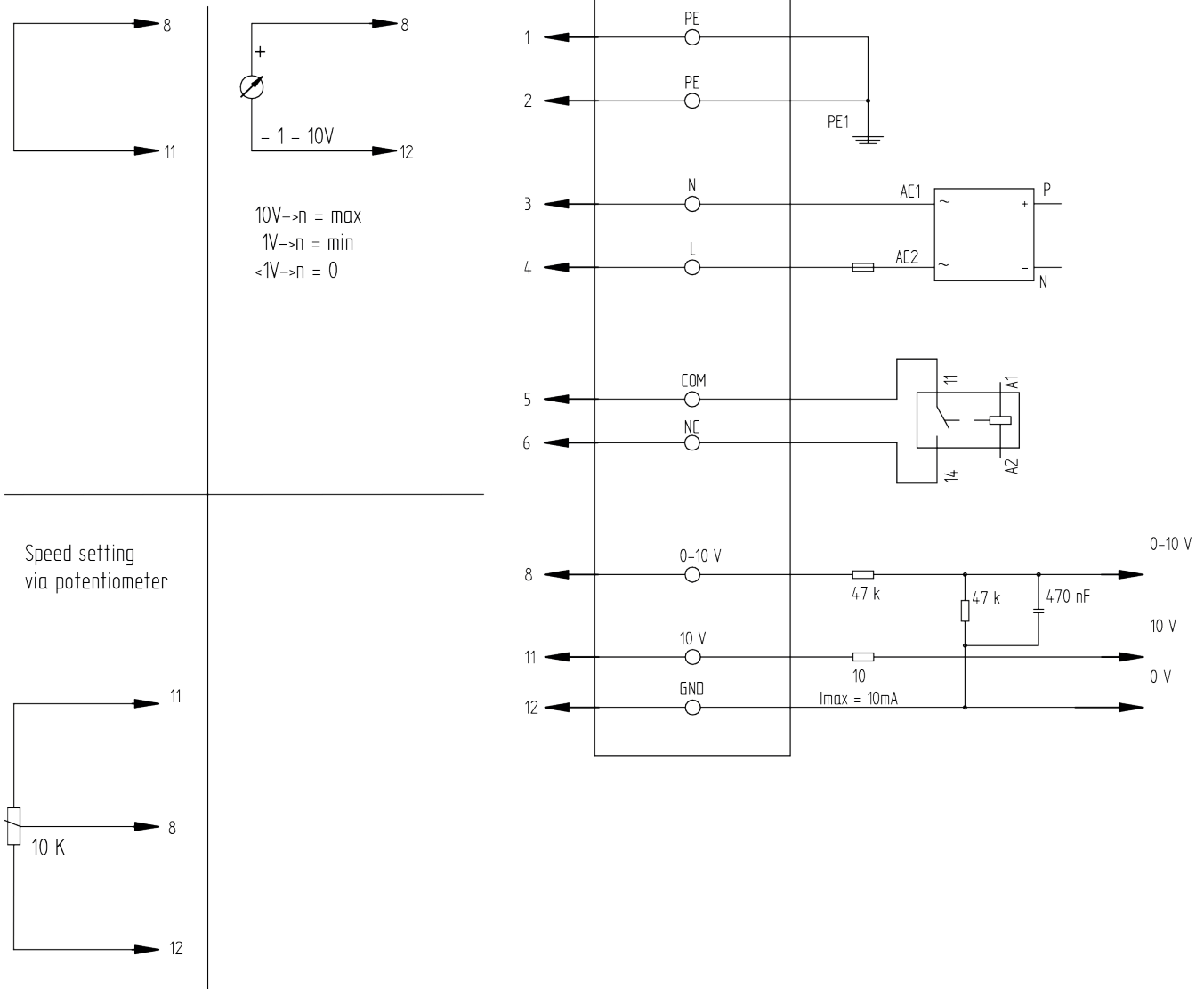
# Wiring diagram 0,37 kW EC-Motor

Full speed

Speed setting

Connection

Fan / motor



No.	Connection	Designation	Color	Function / assignment
1	1,2	PE	green / yellow	Protective conductor
1	3	N	blue	Supply voltage, neutral, 50/60 Hz
1	4	L	black	Supply voltage, 50/60 Hz
1	5	COM	white 1	Floating status contact, break for failure (2 A, max. 250 VAC, min. 10 mA)
1	6	NC	white 2	Floating status contact, break for failure
2	8	0 – 10 V	yellow	Control input, setpoint 0 - 10 VDC, impedance 100 ohms, SELV
2	11	10 VDC	red	Voltage output 10 VDC ( +/- 3 % ) , max . 10 mA , supply voltage for ext. Devices ( for example, potentiometer ) , SELV
2	12	GND	blue	Reference ground for control interface, SELV