

# Wiring Diagrams for Small (1.5-15 HP) SL1/SLV pumps

61R-3 phase, 230/460V, 60Hz without WIO (Water-in-Oil) Sensor:

- Connect 230V pumps using the low-voltage (delta) connection.
- Connect 460V pumps using the high-voltage (star) connection.

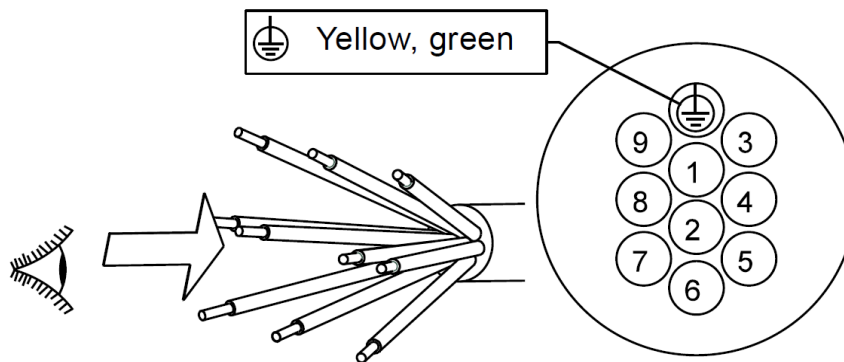


Fig. 1 Wiring Diagram, 10 core cable.

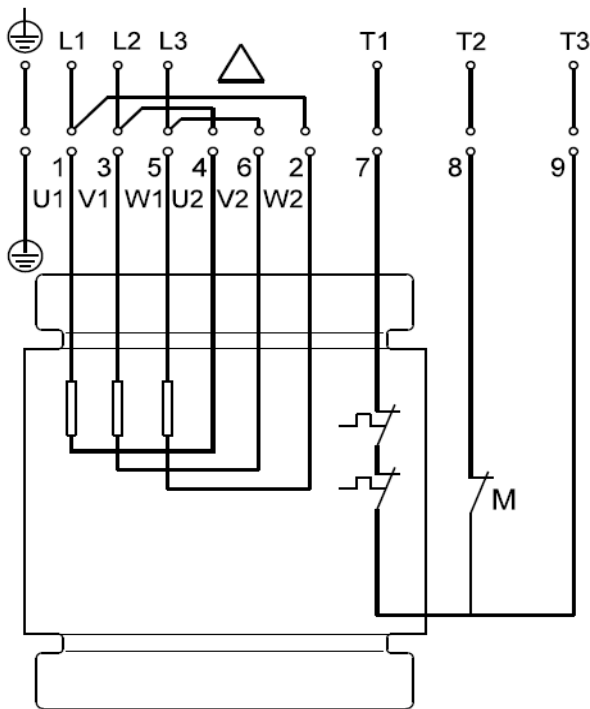


Fig. 2 Standard version with Thermal Switches and Moisture Switch wired in low-voltage (delta) connection.

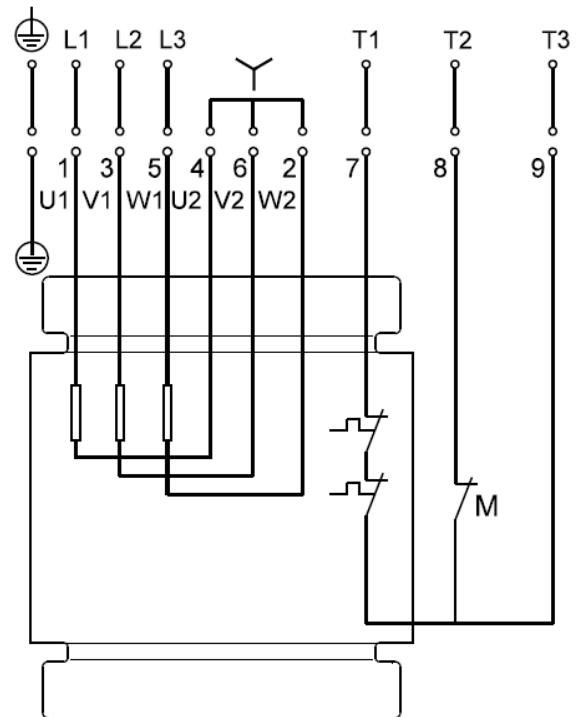


Fig. 3 Standard version with Thermal Switches and Moisture Switch wired in high-voltage (star) connection.

# Wiring Diagrams for Small (1.5-15 HP) SL1/SLV pumps

61R-3 phase, 230/460V, 60Hz with WIO (Water-in-Oil) Sensor:

- Connect 230V pumps using the low-voltage (delta) connection.
- Connect 460V pumps using the high-voltage (star) connection.

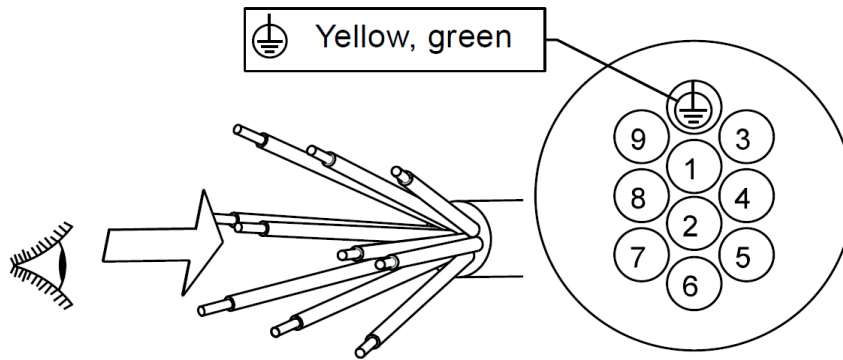


Fig. 1 Wiring Diagram, 10 core cable.

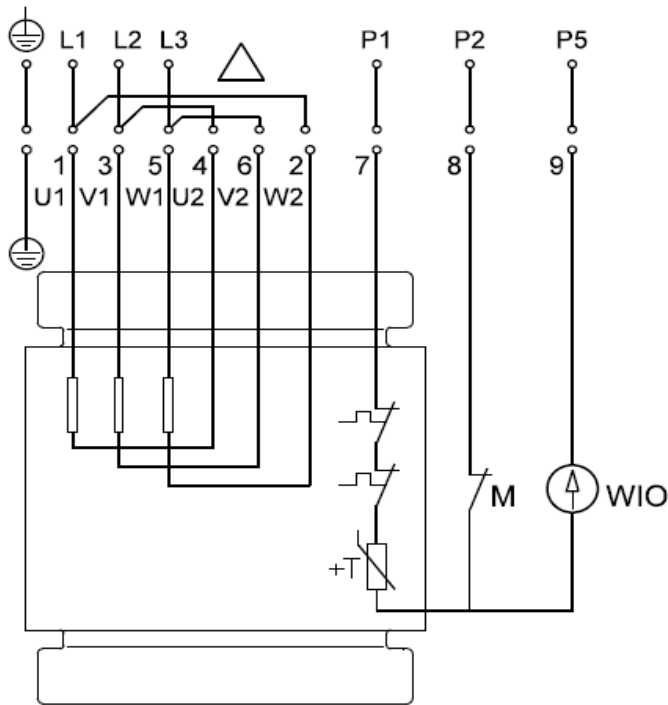


Fig. 4 Sensor version with Thermal Switches, PT 1000 Resistor, Moisture Switch and Water-in-oil (WIO) sensor wired in low-voltage (delta) connection.

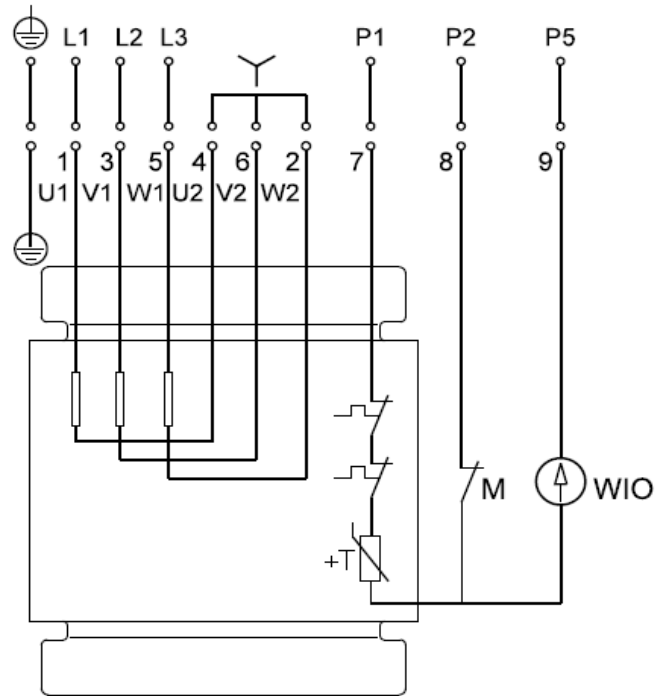


Fig. 5 Sensor version with Thermal Switches, PT 1000 Resistor, Moisture Switch and Water-in-oil (WIO) sensor wired in high-voltage (star) connection.

# Wiring Diagrams for Small (1.5-15 HP) SL1/SLV pumps

60J-3phase, 208V, 60Hz without / with WIO (Water-in-Oil) Sensor:

- Connect 208V as a Direct Online (DOL) connection.

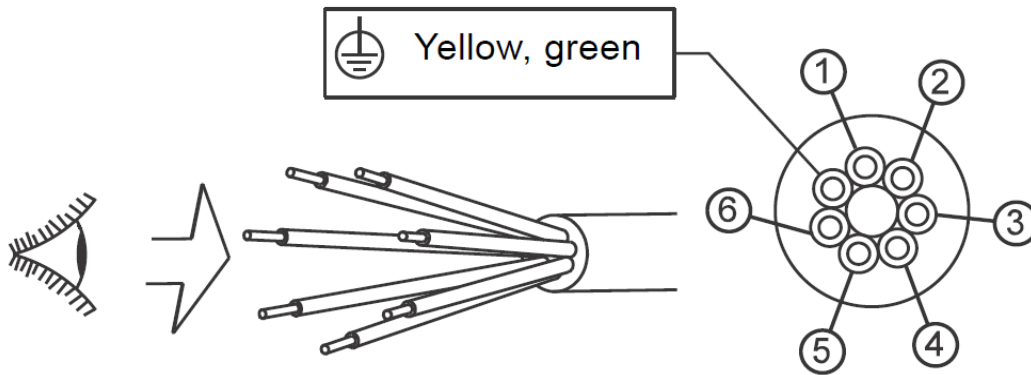


Fig. 6 Wiring Diagram, 7 core cable, Direct Online (DOL).

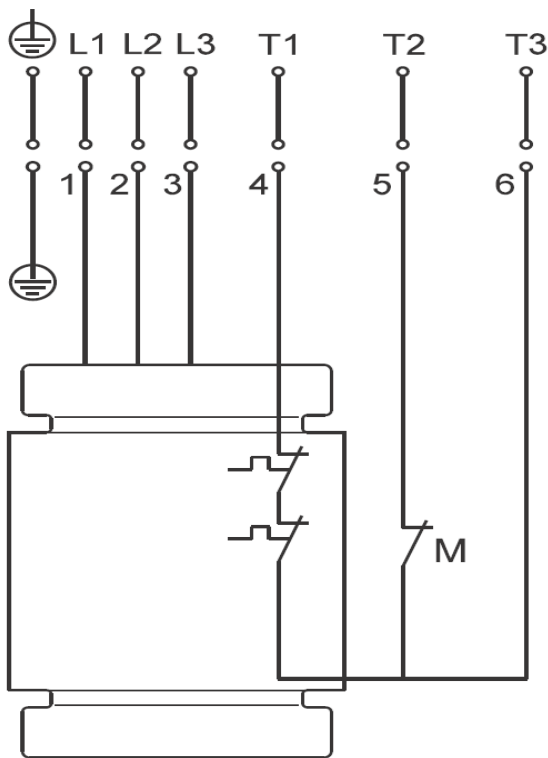


Fig. 7 Standard version with Thermal Switches and Moisture Switch without WIO (Water-in-Oil) Sensor.

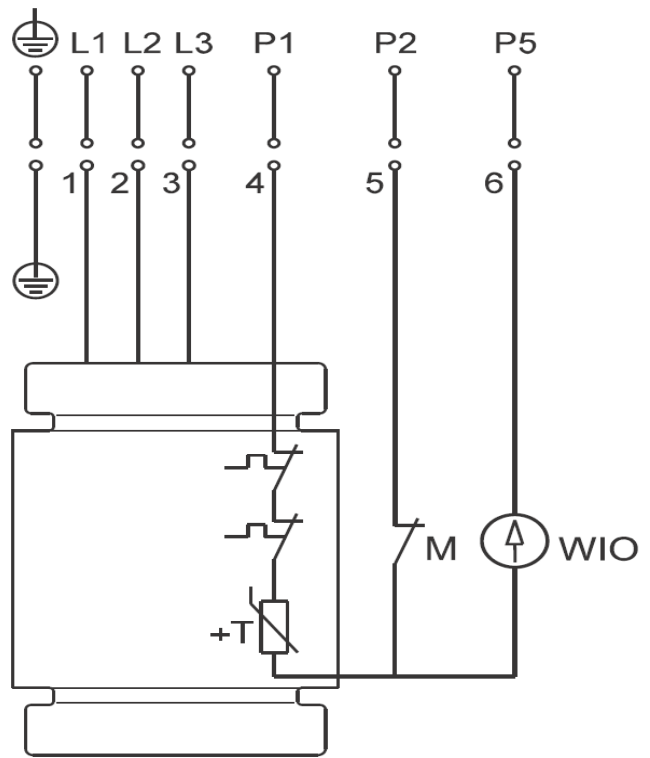


Fig. 8 Sensor version with Thermal Switches, PT1000 resistor and Moisture Switch with WIO (Water-in-Oil) Sensor.

# Wiring Diagrams for Medium (12-42 HP) SL1/SLV-SE/SEV pumps

60S/61R/61G - 3 phase, 208-230/460V, 60Hz-with Thermal switches / PTC sensors

- Connect 208/230V pumps using the low-voltage (delta) connection.
- Connect 460V pumps using the high-voltage (star) connection.

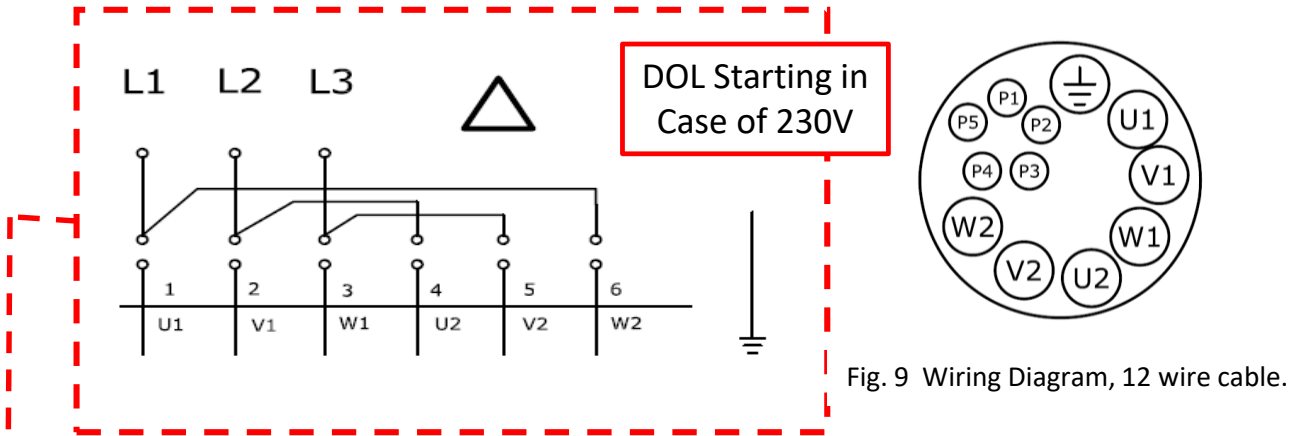


Fig. 9 Wiring Diagram, 12 wire cable.

Fig. 10 Wiring Diagram for 60S/61R, 3 X 208/230V Delta Start.

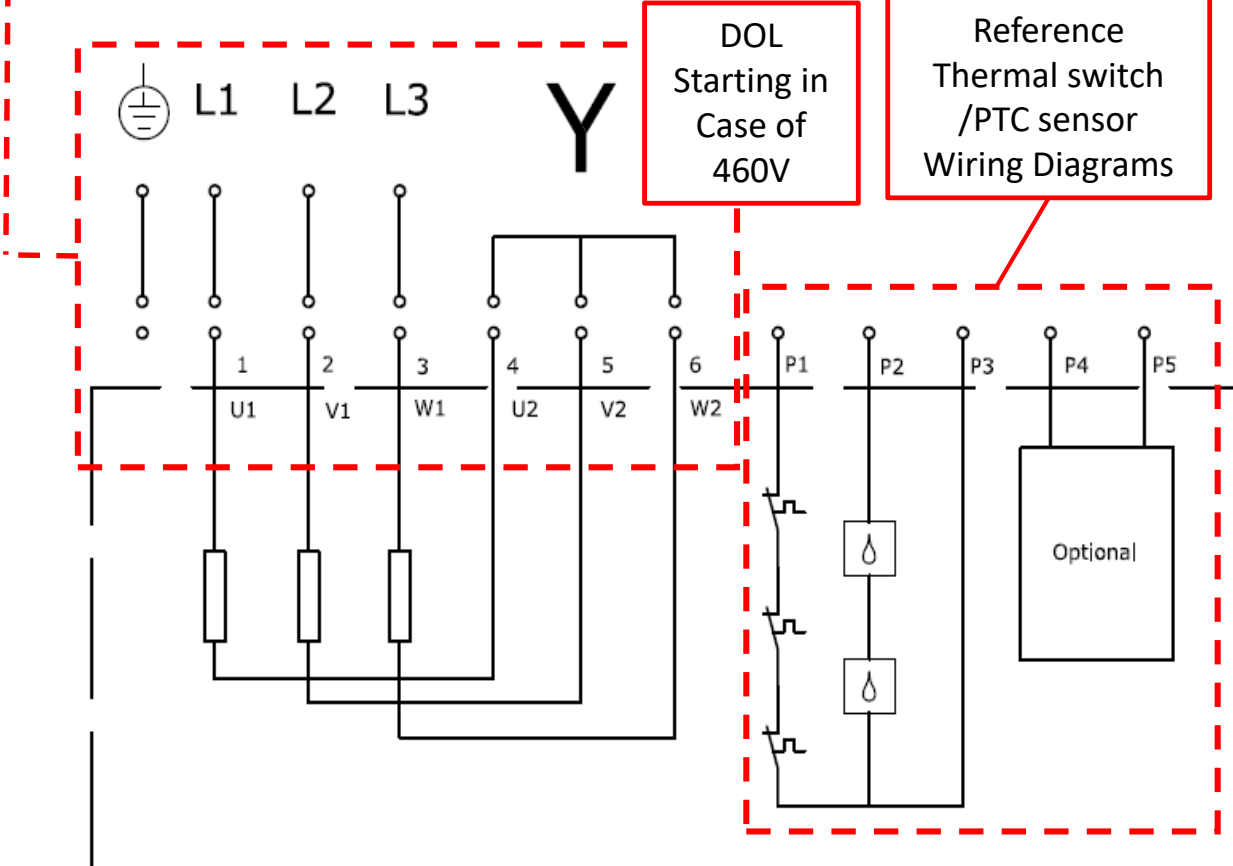


Fig. 11 Wiring Diagram for 61R/61G, 3 X 460V Star Start.

# Wiring Diagrams for Medium (12-42 HP) SL1/SLV-SE/SEV pumps

## Thermal switch & PTC sensor Wiring Diagrams

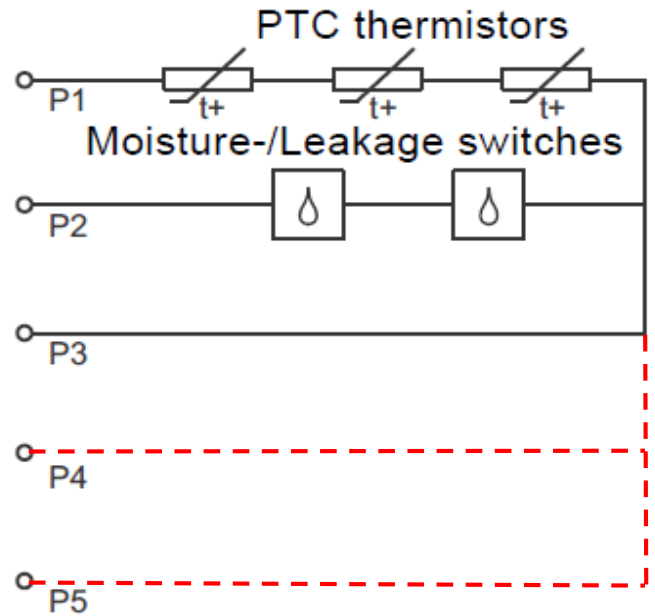
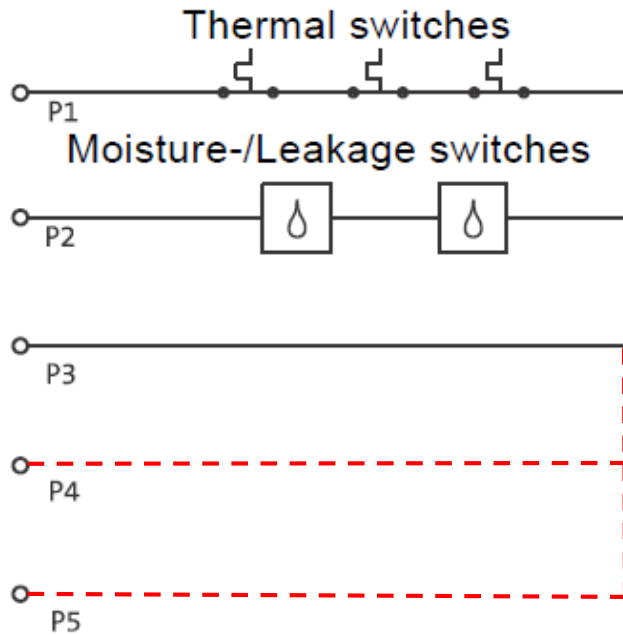


Fig. 12 Standard / Explosion Version with Thermal switches.

Fig. 13 Standard / Explosion Version with PTC Sensors.

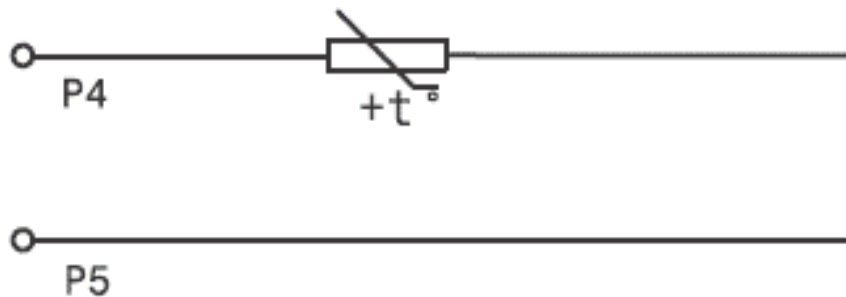


Fig. 14 Standard /Explosion Versions with Sensor Version 1.

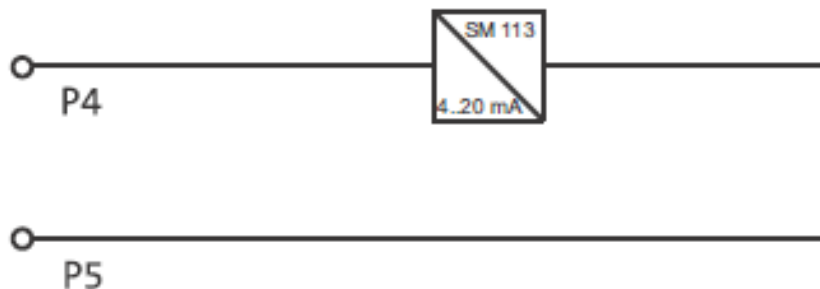


Fig. 15 Standard /Explosion Versions with Sensor Version 2.

# Wiring Diagrams for Medium (12-42 HP) SL1/SLV-SE/SEV pumps

Connection for Pump with EMC cable. Main supply voltage must be communicated at time of order as pump will be wired at the factory.

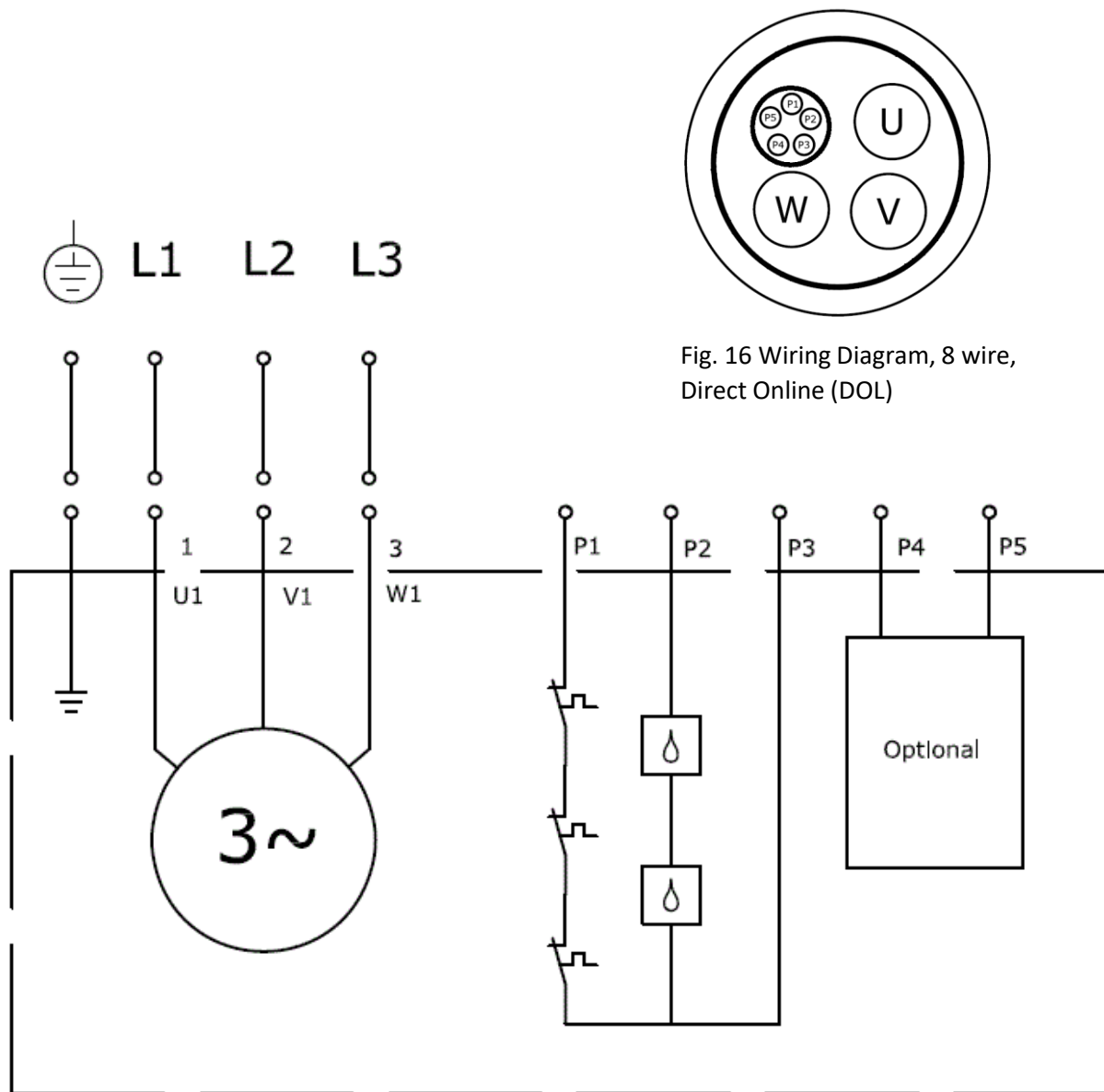


Fig. 17 Wiring Diagram for EMC cable version with Thermal Switches and Moisture/Leakage Switches Direct Online (DOL)