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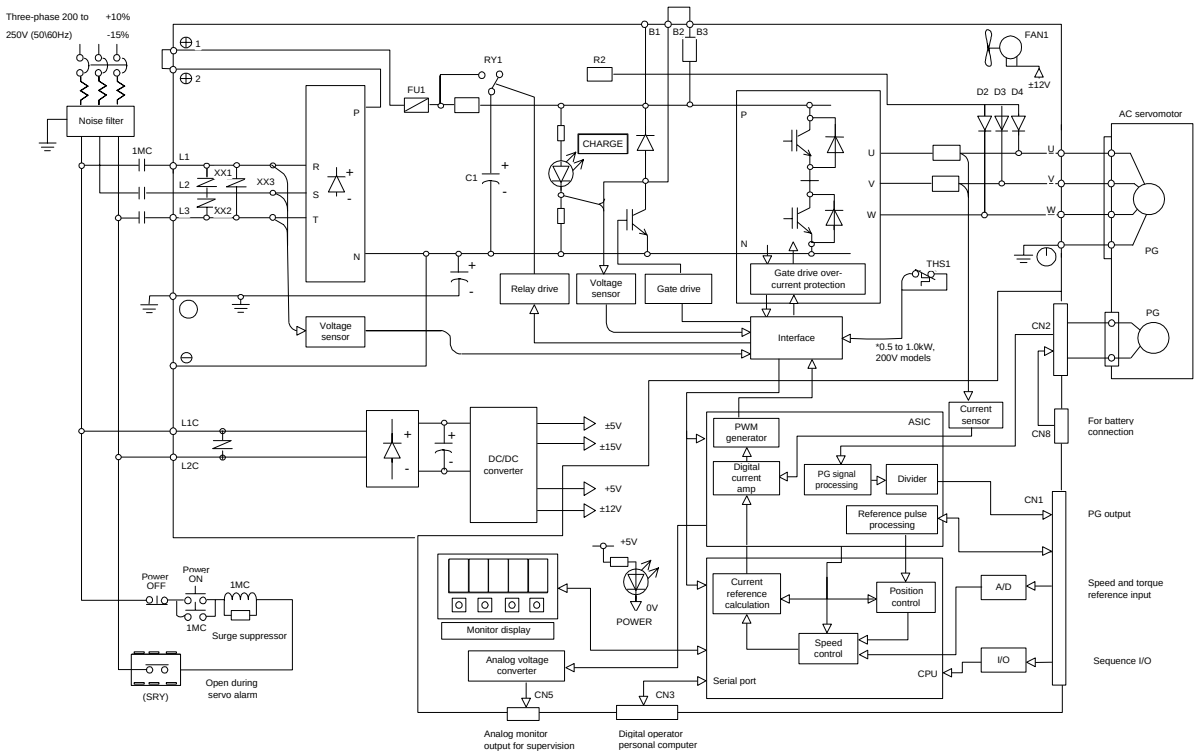
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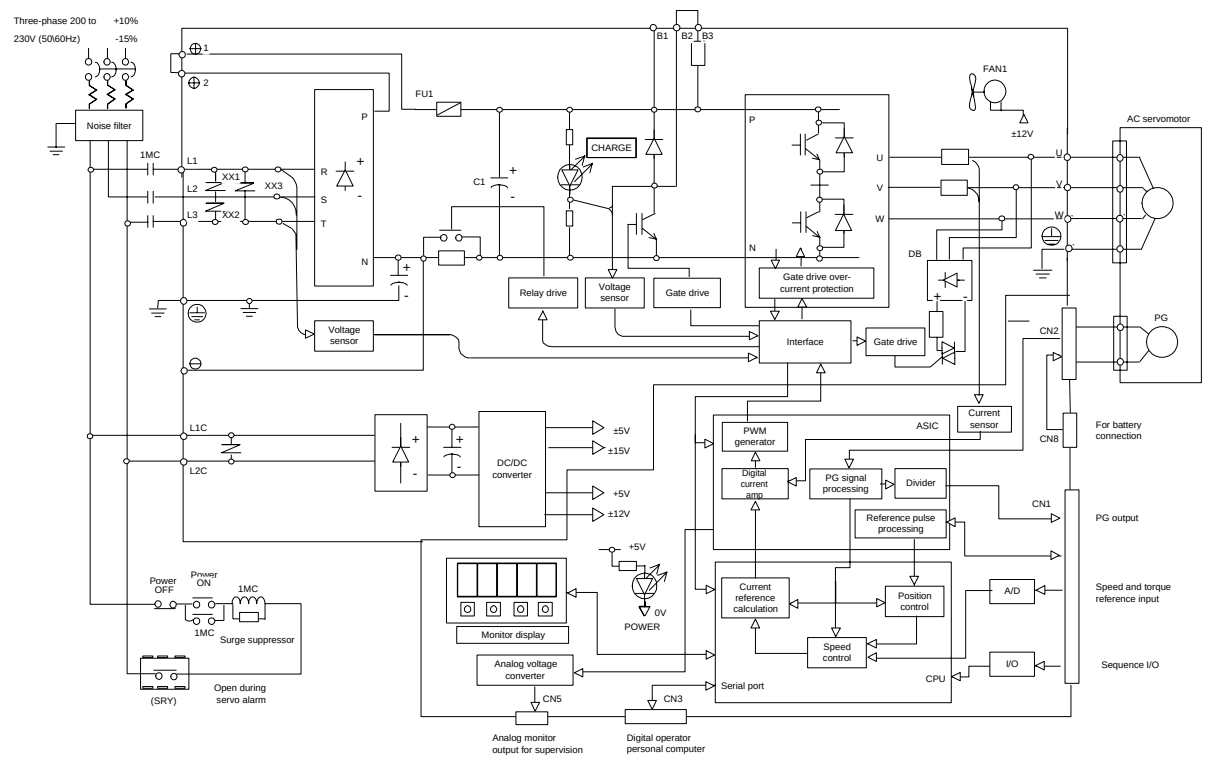
Find the *OMRON / Yaskawa SGDH-30DE-OY* at our website: *Click HERE*

# Typical Internal Connection Diagrams

- **0.5kW to 1.5kW, 200V Models**




- **2.0kW to 5.0kW, 200V Models**

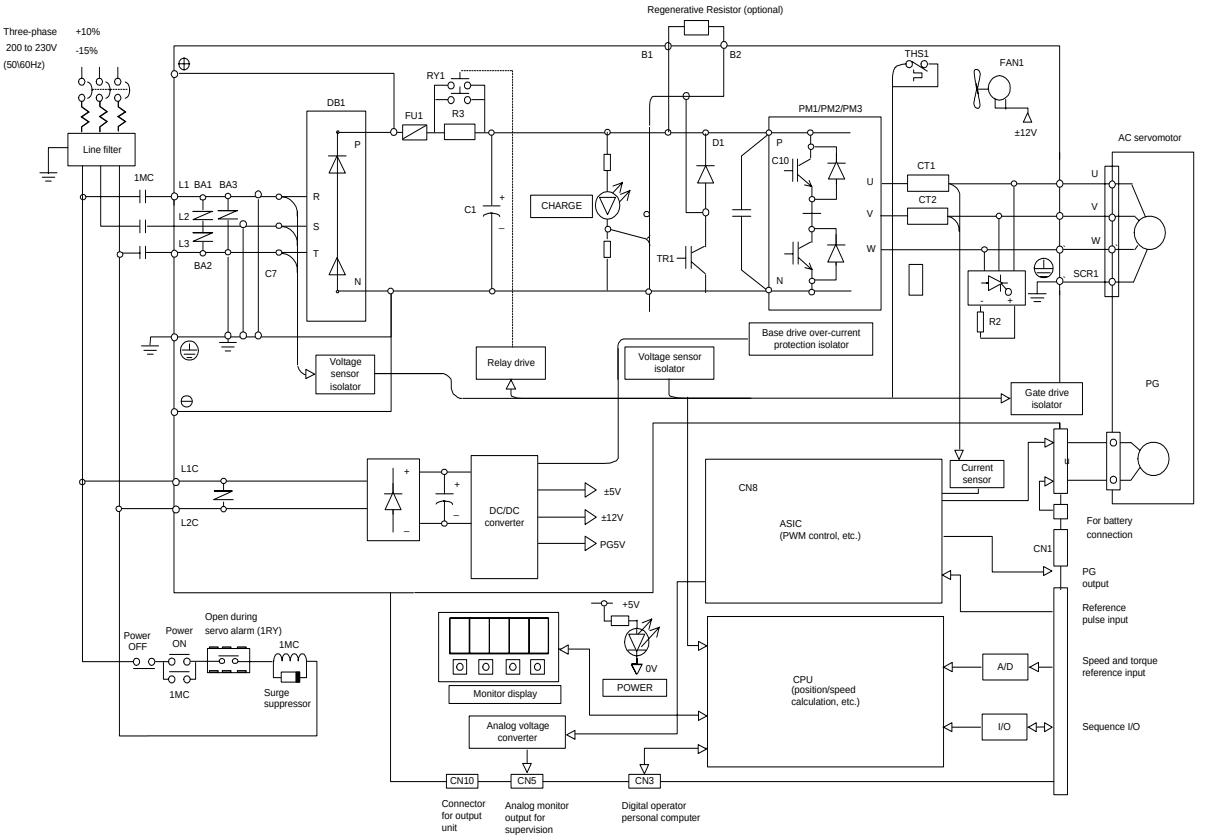



SGDH Servo Amplifiers



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- **6.0kW to 7.5kW, 200V Models**

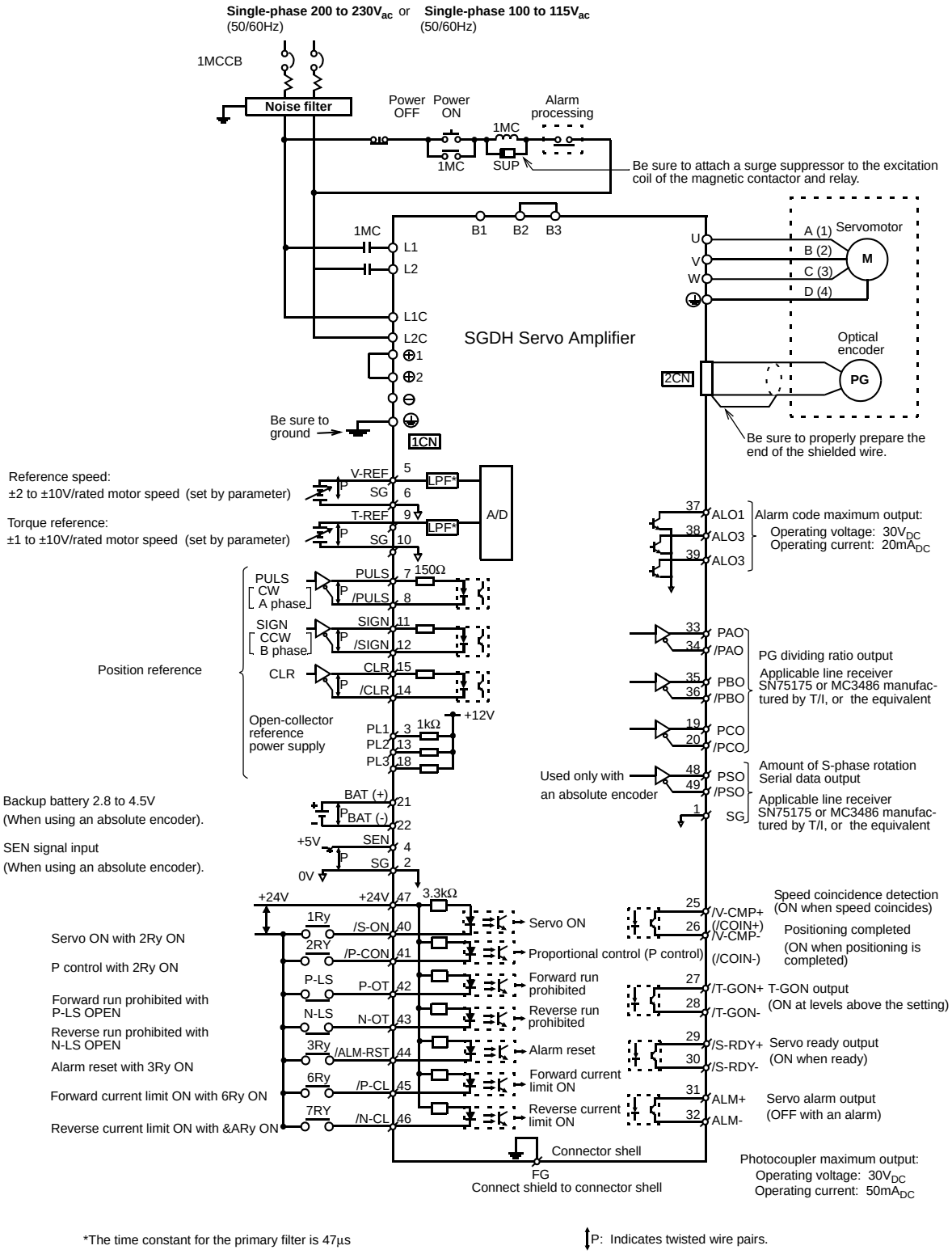







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# Connection Diagram, Single-phase




*The time constant for the primary filter is 47µs

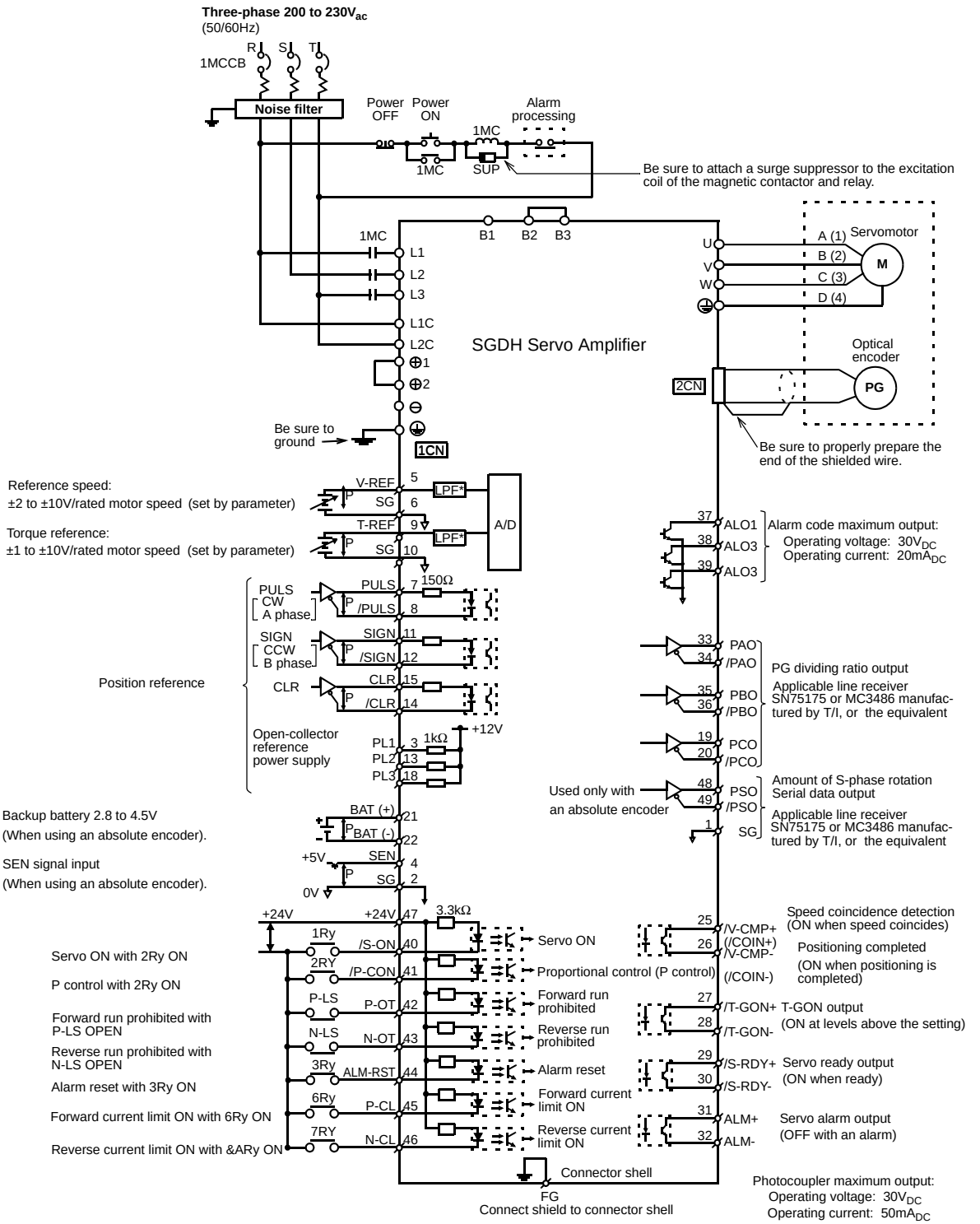
P: Indicates twisted wire pairs.





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# Connection Diagram, Three-phase




*The time constant for the primary filter is 47µs

P: Indicates twisted wire pairs.





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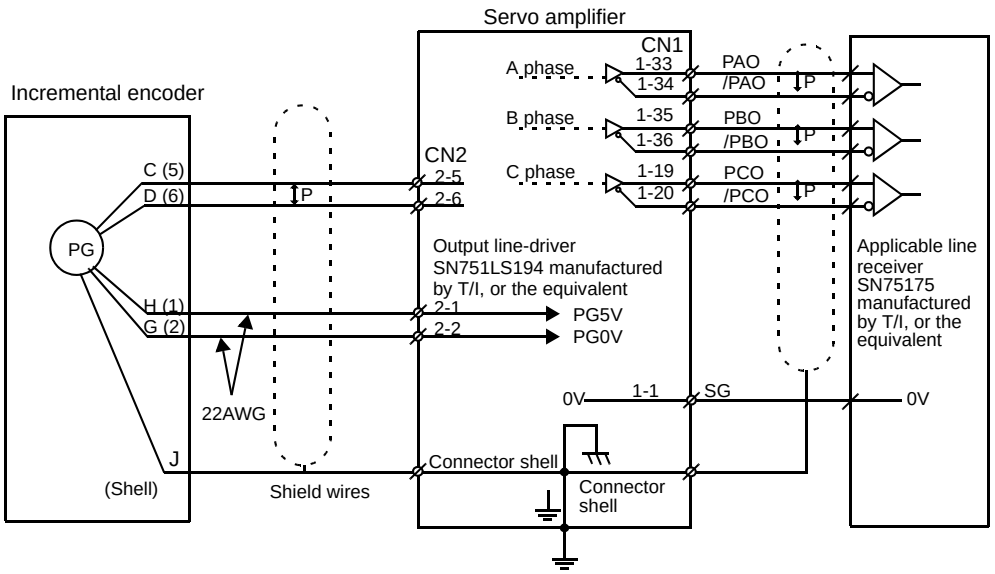
# Amplifier to Encoder Connection Diagram

## Connection Example

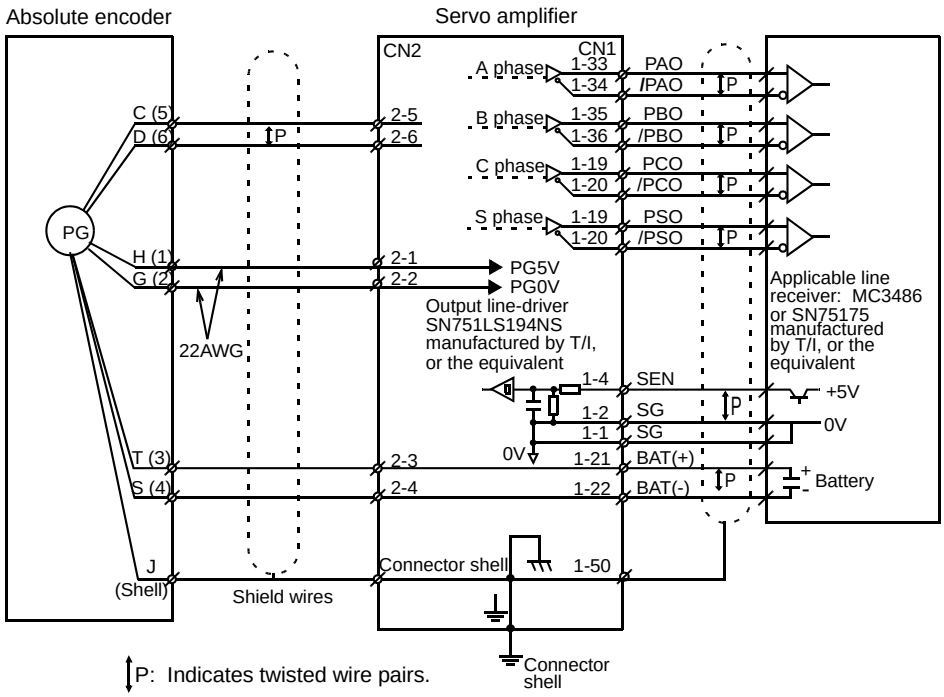
The following diagrams show the procedure for wiring a servo amplifier to an encoder.

**Connecting an encoder (CN2) and output signals from the servo amplifier (CN1)**

### Incremental Encoders




### Absolute Encoders




P: Indicates twisted wire pairs.

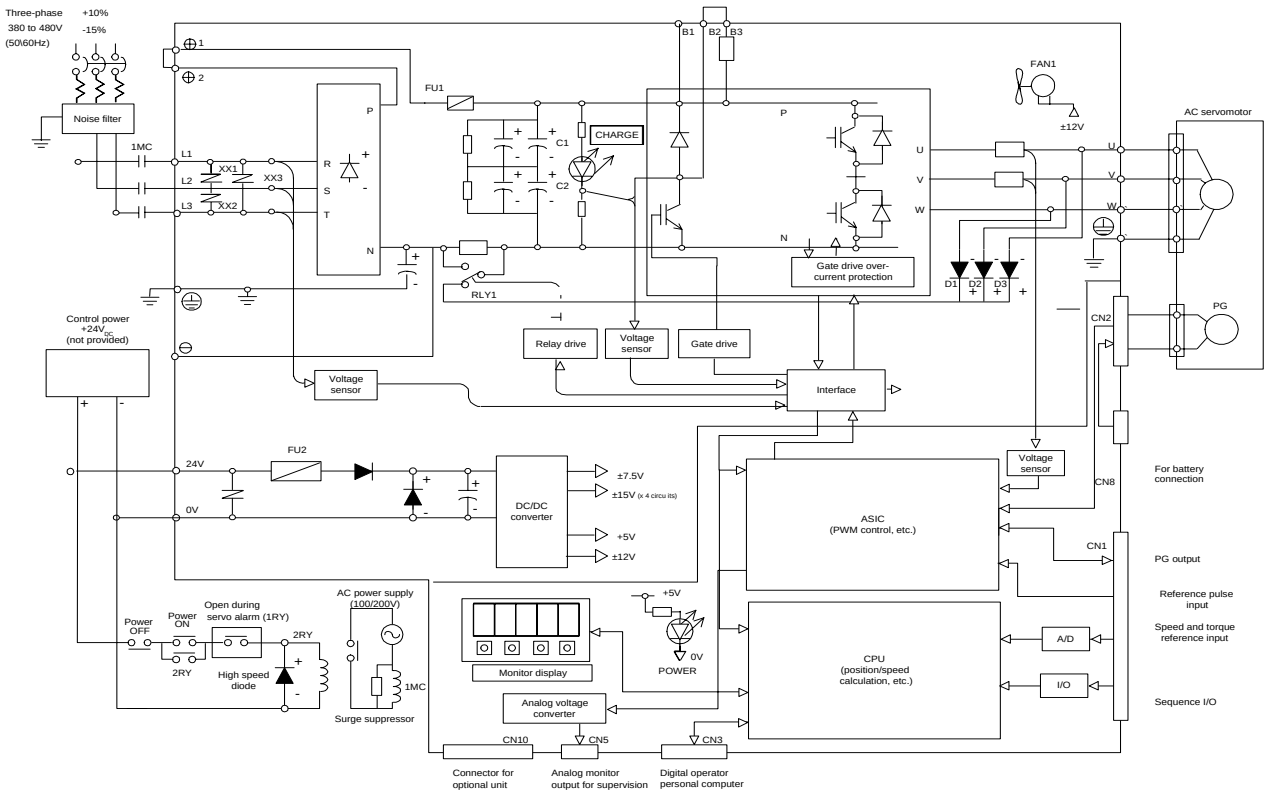
SGDH
Servo Amplifiers



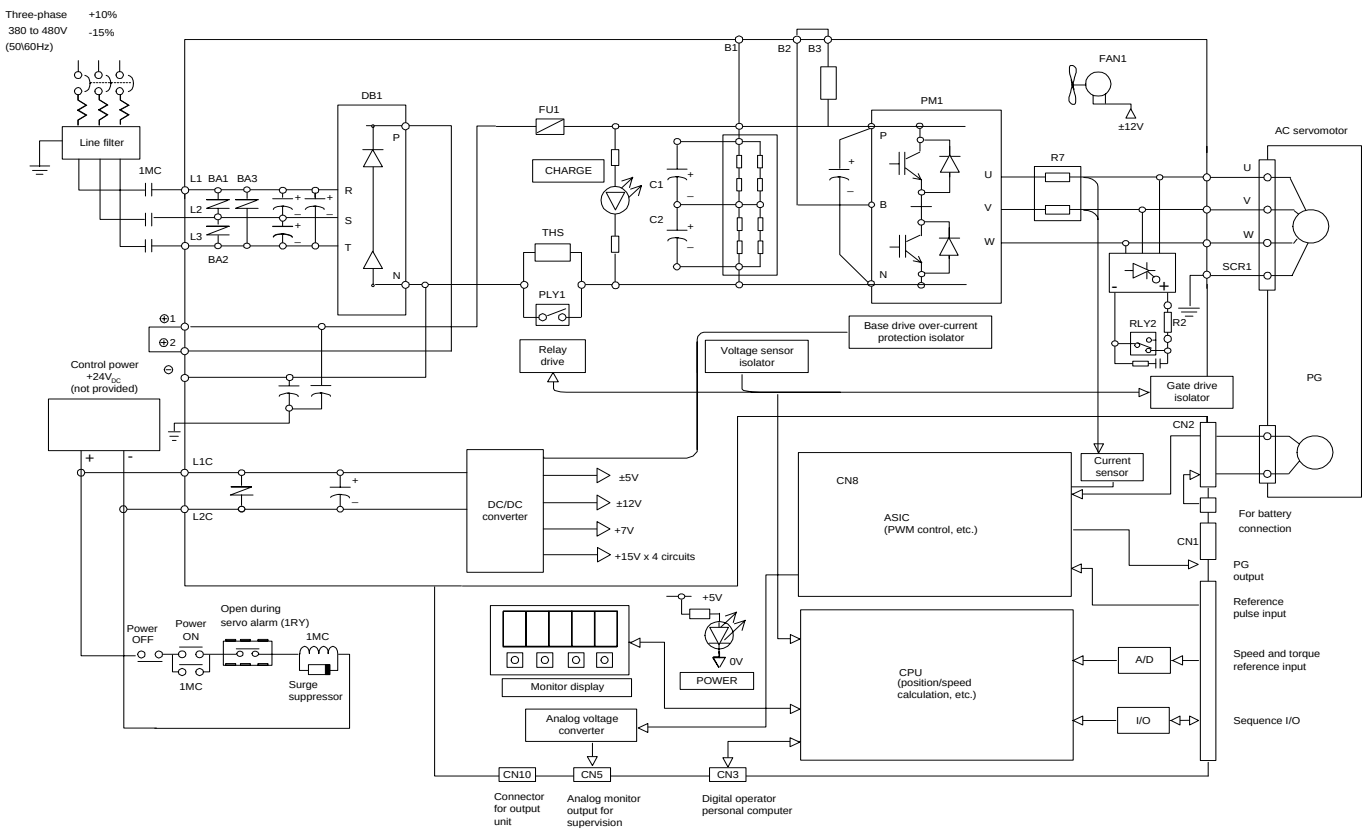
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# Typical Internal Connection Diagrams

- **400V, 0.5kW to 3.0kW Models**




- **400V, 5.0kW Models**

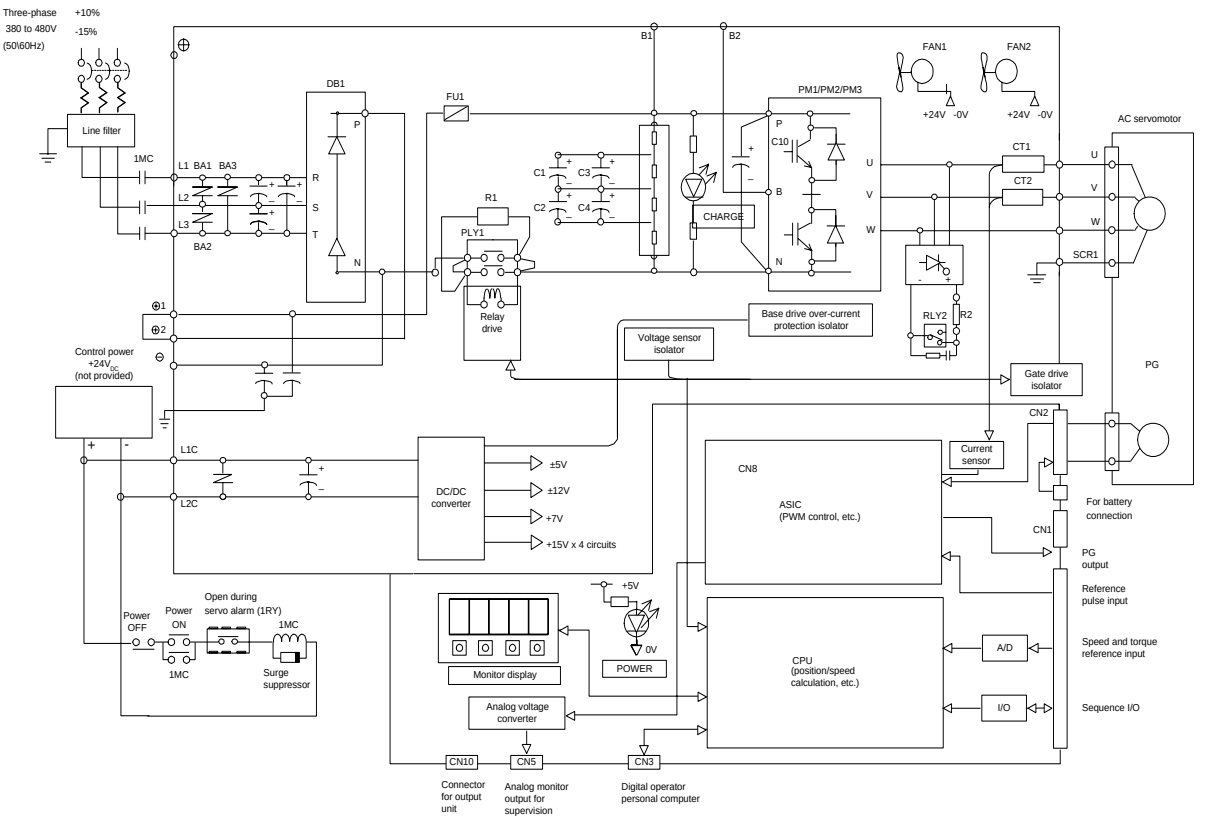







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- **400V, 6.0W to 7.5kW Models**

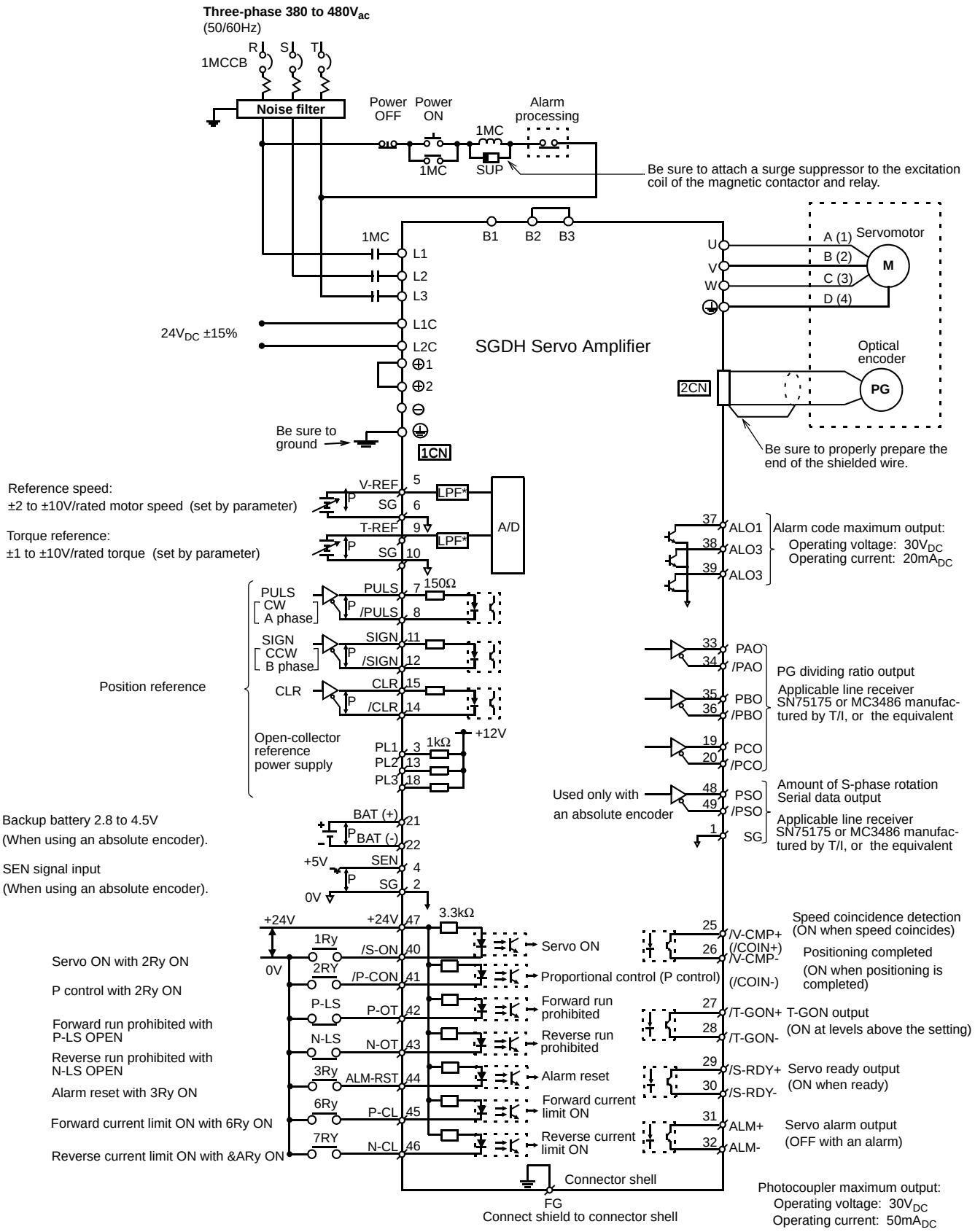







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- **400V, 500W to 15kW Models**




*The time constant for the primary filter is 47μs

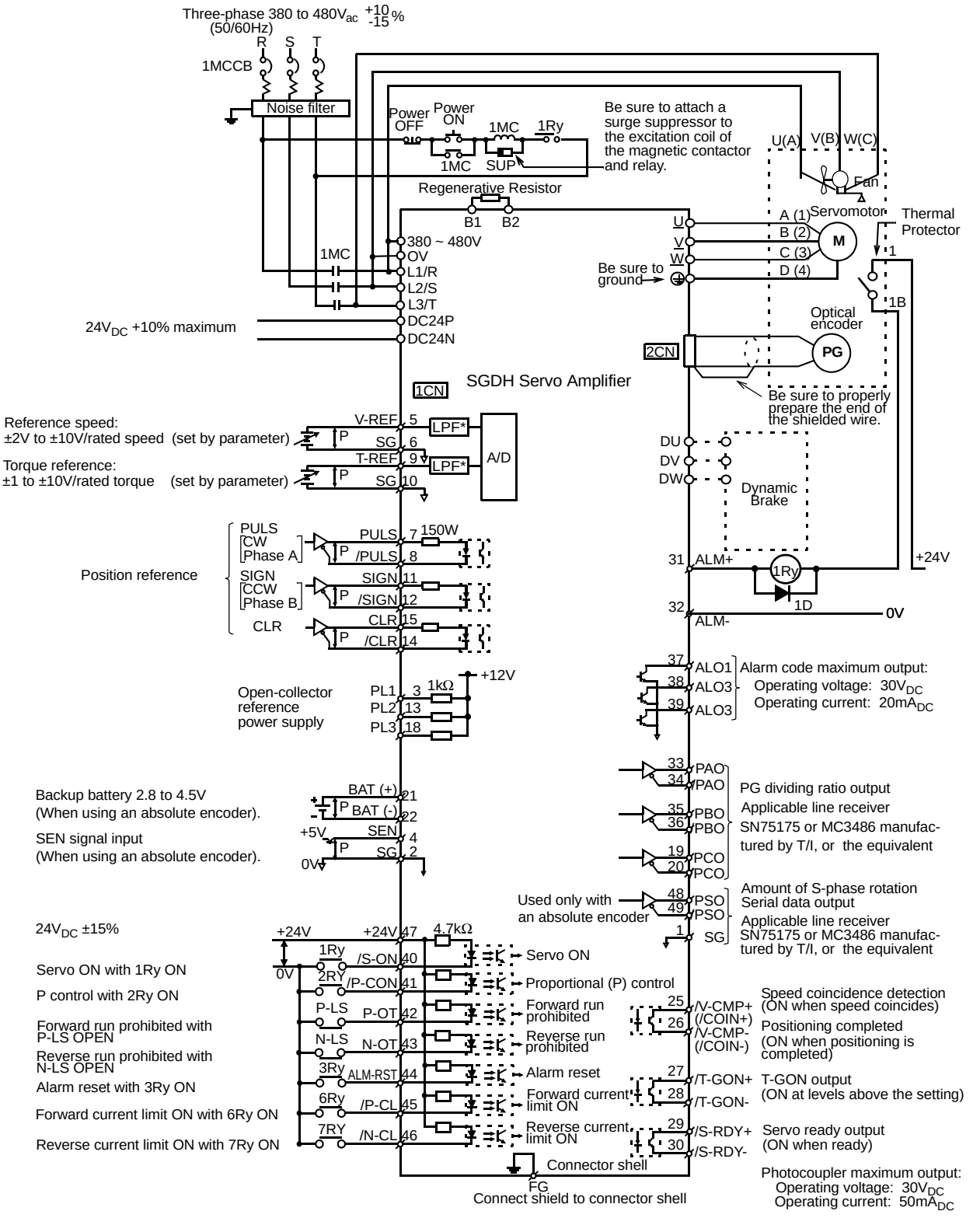
P: Indicates twisted wire pairs.





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- **400V, 22kW to 30kW Models**




*The time constant for the primary filter is 47µs

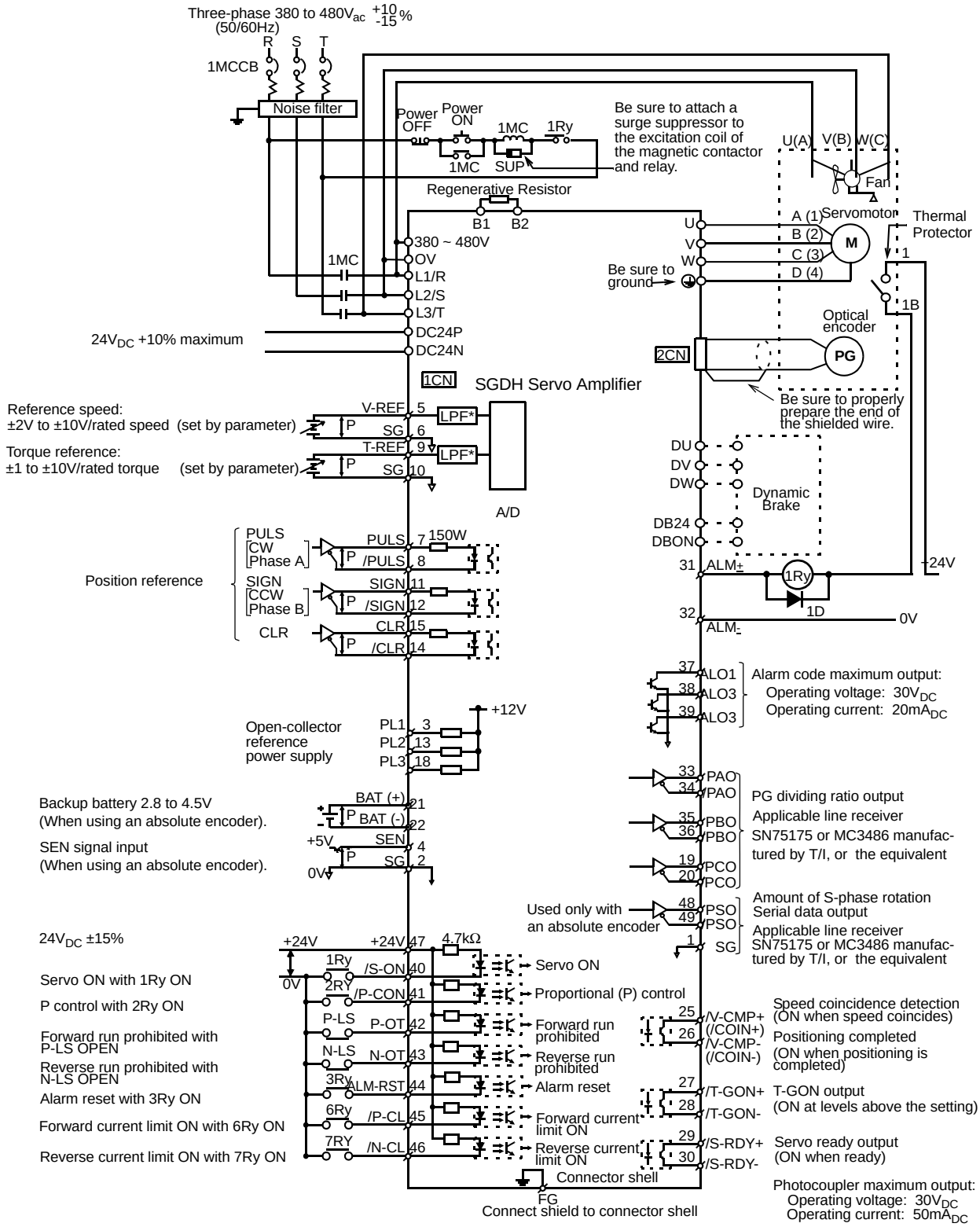
P: Indicates twisted wire pairs.





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- **400V, 37kW to 55kW Models**




*The time constant for the primary filter is 47µs

P: Indicates twisted wire pairs.





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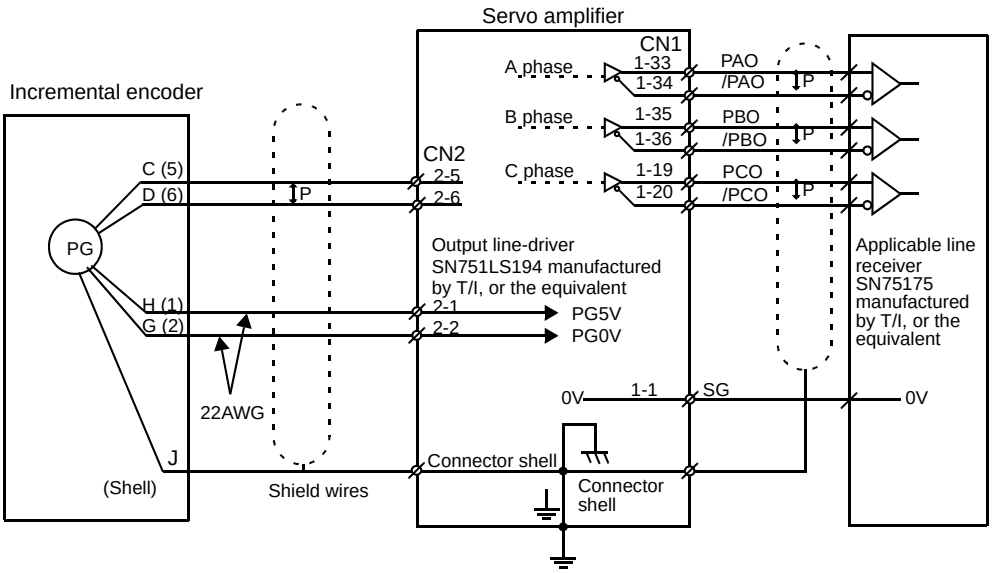
# Amplifier to Encoder Connection Diagram

## Connection Example

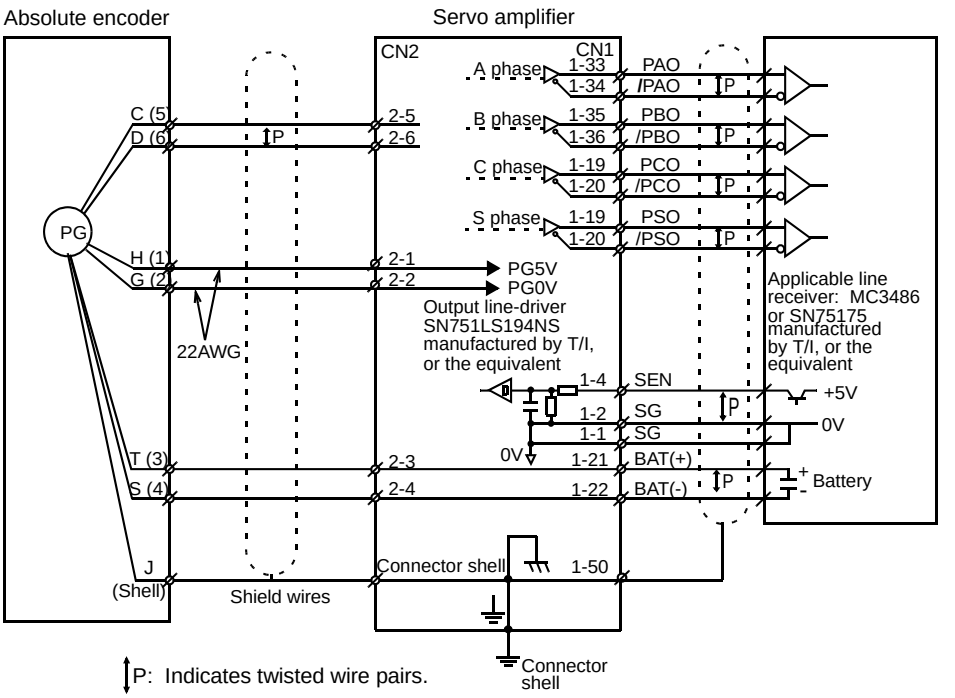
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### Absolute Encoders








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