

Michael Büsch <m@bues.ch>

Sheet: /  
File: phaseanglecontrol.kicad\_sch

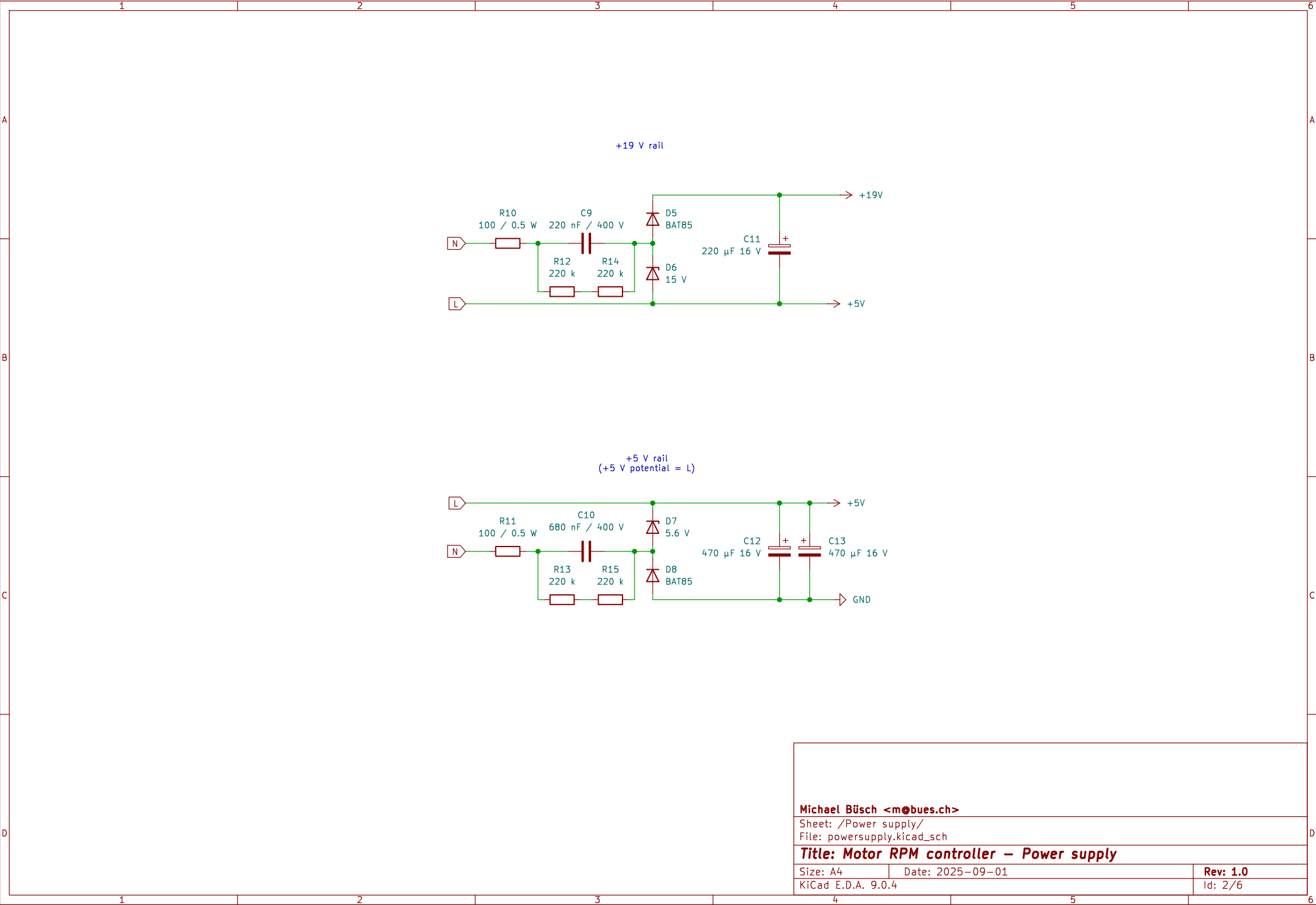
**Title: Motor RPM controller – Phase angle based**

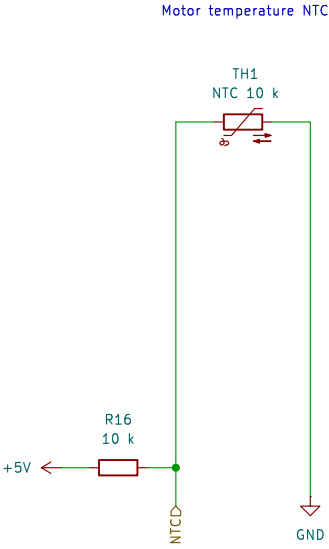
Size: A4 Date: 2025-09-01

KiCad E.D.A. 9.0.4

Rev: 1.0

Id: 1/6





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Sheet: /Motor temperature NTC/

File: ntc.kicad\_sch

**Title: Motor RPM controller – Motor temperature**

Size: A4

Date: 2025-09-01

Rev: 1.0

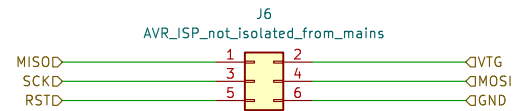
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Id: 4/6

WARNING WARNING WARNING

This circuit is **\*\*NOT\*\*** electrically isolated from mains L and N!  
NEVER connect an ISP programmer/computer directly!

WARNING WARNING WARNING



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Sheet: /ISP/  
File: isp.kicad\_sch

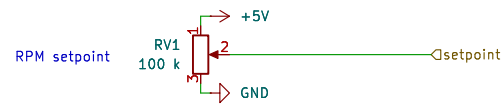
**Title: Motor RPM controller – ISP – WARNING not isolated**

Size: A4 Date: 2025-09-01

Rev: 1.0

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WARNING:  
Pot spindles reaching touchable surfaces  
must be non-metal  
and must be capable of insulating 400 V.

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Sheet: /RPM setpoint/  
File: rpm\_setpoint.kicad\_sch

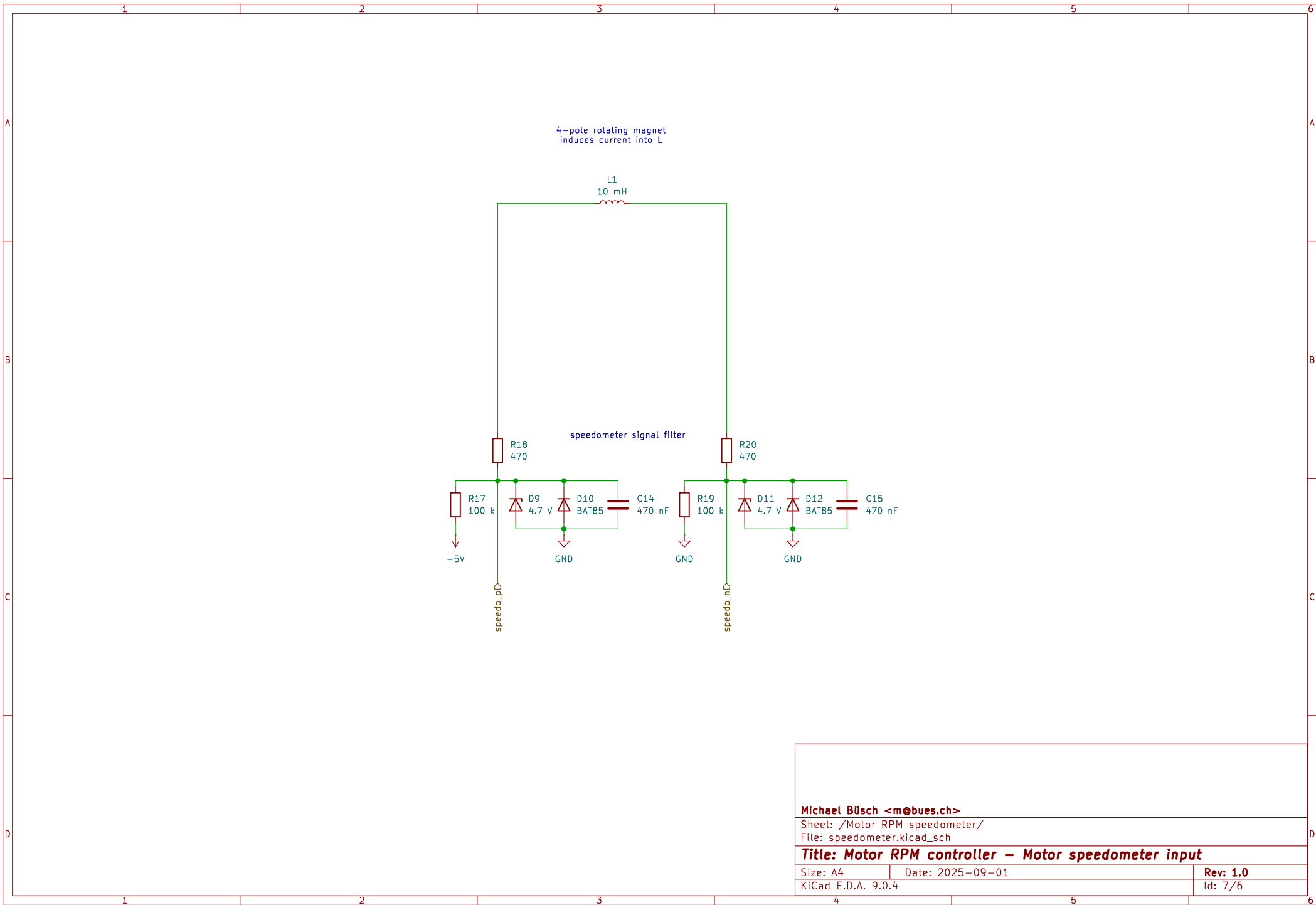
**Title: Motor RPM controller – Setpoint**

Size: A4 Date: 2025-09-01

Rev: 1.0

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Id: 6/6



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Sheet: /Motor RPM speedometer/

File: speedometer.kicad\_sch

**Title: Motor RPM controller – Motor speedometer input**

Size: A4

Date: 2025-09-01

Rev: 1.0

KiCad E.D.A. 9.0.4

Id: 7/6