

Microsteppers for model train signals (Version 1)



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Summary

Micro steppers to replace my Viessmann 4551 motion drives for model train signals.

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Brackets for micro steppers to control model train signals. I deigned them to replace my Viessmann 4551 Actuators / Motion Drives. The micro steppers are cheap (around 1 Euro each), but also more reliable than Viessmann Drives. Also compared to the "standard" (SG90) servo's, they offer better precision and better protection of the signals (since the maximum movement is mechanically enforced), and require less space.

Halter für Mikroschrittmotoren zur Steuerung von Modellbahnsignalen. Sie ersetzen meine Viessmann 4551 Stellantriebe. Diese Micro Steppers sind nicht nur preiswert (ca. 1 Euro pro Stück), sondern auch zuverlässiger als die Viessmann-Antriebe. Auch im Vergleich zu den "Standard"-Servos (SG90) bieten sie eine bessere Präzision und einen besseren Schutz der Signale (da die maximale Verschiebung mechanisch erzwungen wird), und benötigen weniger Platz.

See my YouTube movie for more details:

Note that I intend to create also another variant, with space for a DCC decoder PCB (which I still have to develop).

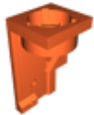
Model files



slider-micro-stepper-version-10.stl



holder-micro-stepper-version-1.3mf



holder-plus-viessmann-mount-micro-stepper-version-10 .stl



slider-micro-stepper-version-10.3mf



holder-micro-stepper-version-1.stl



holder-plus-viessmann-mount-micro-stepper-version-10 .3mf



micro-stepper-version-10.f3d

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