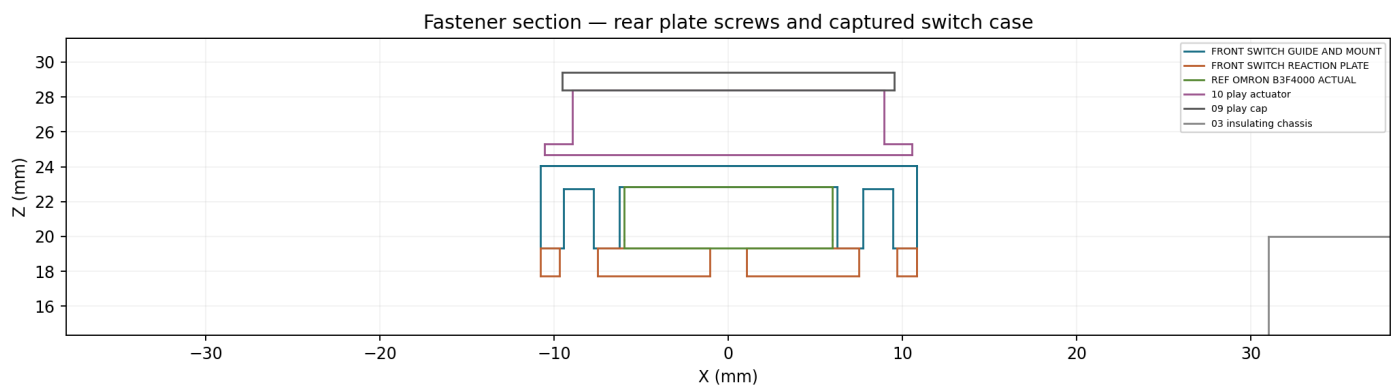
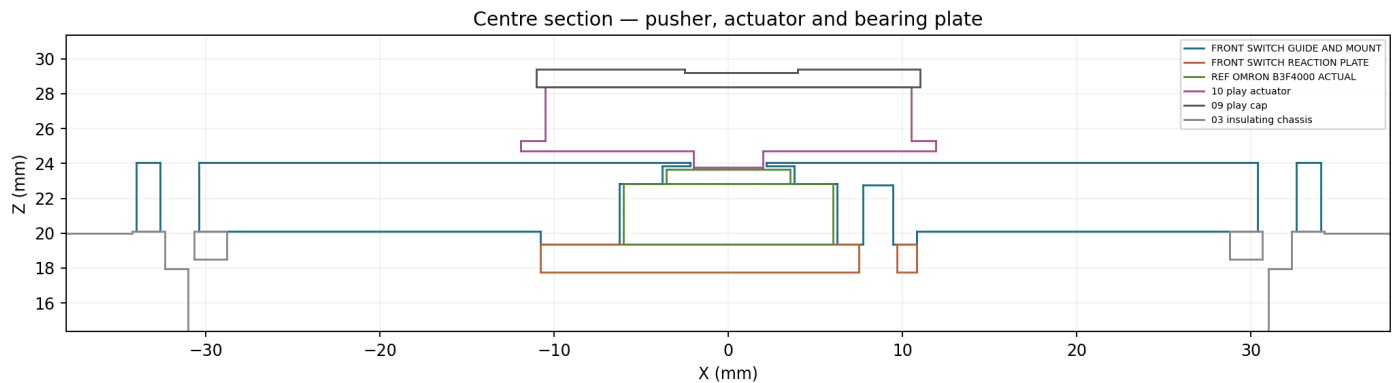


Engineering sections

Appendix A | Sections generated from the actual revised CAD

23.2 E1 — actual Omron B3F4000 front interface
0.14 mm rest gap · 0.65 mm nominal hard stop · engineering candidate



Dimensions in the section image are millimetres in the design coordinate system. The displayed section is a geometric inspection aid, not a fully tolerated manufacturing drawing.

For 25.2 and 23.2, the nominal front-button gap is 0.14 mm and the local stop is 0.65 mm. For 21.2 and 26, use their recorded measured interfaces and motion reports; do not transfer dimensions between concepts.

File authority and check limits

Appendix B | Reproducible inputs and remaining qualification

Current geometry

The E1 reference STEP is the assembly authority for represented geometry. Fusion review archives contain editable imported solids, not rebuilt native feature history.

Individual parts

The parts directory follows the represented assembly. Component groups may contain multiple solids. Treat this as a represented-parts inventory, not a complete procurement BOM.

Fit meshes

Only the two checked front-module STL files for 25.2 and 23.2 are included as local fit candidates. A full device STL or 3MF fabrication kit is not released.

Source and evidence

03_Verification contains the authoritative checks listed below. 05_Editable_Source contains delta builders and links to their original baseline dependencies.

Reports: front_interface_validation.json, front_module_interference.json, component_mesh_validation.json

Assembly SHA256: fd3a5efa2da5245f5e80fefec2a8088d81102942e44465ab31ab1b4c16cf2cbc

Missing harness and process details affect their final interfaces and qualification. They do not prevent independent CAD corrections; unfinished mechanical work remains listed on page 4.