

# Ansys 2025/R2

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## Twin Builder® Components: VDALibs VHDLAMS



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# 1 - VDALibs VHDLAMS Library

The component models included with Twin Builder in the **VDALibs VHDLAMS** AK30 library are from the open source library created by the VDA/FAT working group number 30. The VDA/FAT Working Group AK 30 "*Simulation of Mixed Systems with VHDL-AMS*" is organized within the *Association for Research in Automobile Technology* (FAT - Forschungsvereinigung Automobiltechnik) of the *German Association of the Automotive Industry* (VDA - Verband der Automobilindustrie). It promotes the relationship between car manufactures and their suppliers concerning simulation of mixed systems and model exchange.

## Documentation for VDA/FAT-AK30 models

Documentation for the AK30 models is available online. To access the documentation:

1. Visit the VDA/FAT Working Group Web site.
2. Choose the desired library from the drop-down list to display the page listing all the model entities in the selected library.
3. Click on the name of the desired model entity to display the detailed model documentation.

<b>Note</b>	<p>The tlufile parameter of tlu_1d_file_vda and tlu_2d_file_vda must follow the formats listed below:</p> <ul style="list-style-type: none"> <li>• relative path: "test.txt" or "test/test.txt"</li> <li>• absolute path "C:\test\test.txt"</li> </ul> <p>The data in the file must be separated by white space, so the CSV file format is not supported by default.</p>
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## VDA/FAT-AK30 License Agreement

<b>Terms of use:</b>	<p>The models are components of the open source library created by the VDA / FAT working group number 30 and are covered by this license agreement. The models including any updates, modifications, revisions, copies, and documentation are copyrighted works of the VDA / FAT.</p> <p>USE OF EACH MODEL INDICATES YOUR COMPLETE AND UNCONDITIONAL ACCEPTANCE OF THE TERMS AND CONDITIONS SET FORTH IN THIS LICENSE AGREEMENT.</p> <p>The VDA / FAT grants a non-exclusive license to use, reproduce, modify and distribute a model under the condition, that:</p>
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