

How aspects match with parts and ports

The diagram aspects mechanism identifies whether or not the aspect name and name of the stereotypes applied for the parts and ports (or their types) match. The stereotype name must contain a matching aspect name. For example, a diagram aspect name is *Electrical*, which matches a port stereotype name *WElectrical*. When these conditions are met, you can display only the *Electrical* part of your model in the [Composite Structure Diagram](#). [How to display parts and port according to aspect >>](#)



If the diagram aspect name doesn't match the name of the part/port stereotype or its type, you can [create a custom stereotype](#) with the same name as the aspect's and [apply it for parts and ports](#). Or you can [create a custom diagram aspect](#).

The image shows a UML diagram on the left and a properties window on the right. The diagram, titled 'ibb [Block] Climate Control Hardware [Climate Hardware]', contains several subsystems: Heater System, Sensors System, Data Transfer System, Air Transfer System, Cooler System, and Control System. Each subsystem has a port labeled 'Electricity_DC'. A red circle highlights the 'Electricity_DC' port on the Heater System, with an arrow pointing to the 'Electrical' aspect label at the top of the diagram. The properties window on the right is titled 'Specification of Electrical ElectricalPort'. It shows the 'Applied Stereotype' section with a table:

ElectricalPort	
Name	ElectricalPort
Owner	Heater System [Climate ...]
Applied Stereotype	⚡ Electrical Port [Stereotype]
Type	Electricity_DC [Library::0...]
Visibility	public
Is Service	<input checked="" type="checkbox"/> true
Is Behavior	<input type="checkbox"/> false
Is Conjugated	<input type="checkbox"/> false
To Do	
Interface	
Is ID	<input type="checkbox"/> false
Owning Template Parameter	

The 'Applied Stereotype' row is highlighted in blue, and the 'Electrical' text is circled in red. The 'Port stereotype' label is also present next to the 'Applied Stereotype' section.

Matching the diagram aspect *Electrical* with the port stereotype name *Electrical*.