

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 'Specification of Electrical ElectricalPort' dialog on the right. The diagram, titled 'ibd [Block] Climate Control Hardware [Climate Hardware]', contains several system blocks: Heater System, Sensors System, Data Transfer System, Air Transfer System, Cooler System, and Control System. Each block has a port labeled 'Electricity_DC'. A red circle highlights the '«Electrical»' stereotype applied to the 'Heater System' port. An orange arrow points from this circle to the 'Applied Stereotype' field in the dialog, which shows '«Electrical» Port [Stereotype]'. The dialog also shows the 'Type' as 'Electricity_DC [Library::0...]'.

Diagram aspect

Specification of Electrical properties

Specify properties of the selected Electrical in the properties specification table. Choose the Expert or All options from the Properties drop-down list to see more properties.

ElectricalPort

Properties: Standard

Port stereotype

Property	Value
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	

Type here to filter properties

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