

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' window on the right. The diagram is a block diagram titled 'ibb [Block] Climate Control Hardware [Climate Hardware]'. It 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 diagram aspect named '«Electrical»' is applied to the 'Heater System' port. The 'Specification of Electrical ElectricalPort' window shows the 'ElectricalPort' stereotype. The 'Applied Stereotype' section lists 'ElectricalPort' with the type '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 | ElectricalPort [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 | |

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