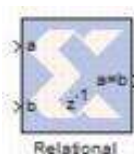




Relational

This block is listed in the following Xilinx Blockset libraries: Basic Elements, Control Logic, Floating-Point, Math, and Index.



The Xilinx Relational block implements a comparator.

The supported comparisons are the following:

- equal-to ($a = b$)
- not-equal-to ($a \neq b$)
- less-than ($a < b$)
- greater-than ($a > b$)
- less-than-or-equal-to ($a \leq b$)
- greater-than-or-equal-to ($a \geq b$)
- The output of the block is a `Bool`.

Block Parameters

The block parameters dialog box can be invoked by double-clicking the icon in your Simulink model.

The only parameter specific to the Relational block is:

- **Comparison:** specifies the comparison operation computed by the block.

Other parameters used by this block are explained in the topic [Common Options in Block Parameter Dialog Boxes](#).

LogiCORE™ Documentation

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