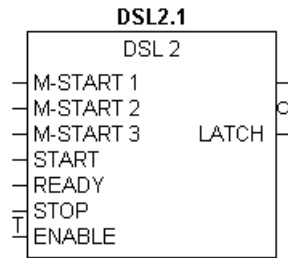


Logic Block/Drive Start Logic 2 - RG354822



Description

This block implements a drive start logic function. It provides three outputs all of which are provided with senders.

The Start input is connected to the set input of the start latch, the inverted values of Stop, and Ready inputs are connected to the reset inputs of the start latch. The start latch is intended for use with pushbutton inputs and its output is labeled Latch. In the start latch, Stop has priority over Start which has priority over Ready. The output of the start latch is Ored with M-Start 1, M-Start 2 and M-Start 3 and that value is ANDed with Enable to generate the normal and inverted Outputs of the block.

Parameters

Enable	Line run input. Expects either true or false.
M-Start 1	Maintained Start input #1. Expects either true or false.
M-Start 2	Maintained Start input #2. Expects either true or false.
M-Start 3	Maintained Start input #3. Expects either true or false.
Start	Start input to the start latch. Expects either true or false.
Stop	Stop input to the start latch. Expects either true or false.
Ready	Ready input. Expects either true or false.
Get Enable	Returns the current state of the Enable input. Either true or false.
Get M-Start 1	Returns the current state of the Maintained Start input #1. Either true or false.
Get M-Start 2	Returns the current state of the Maintained Start input #2. Either true or false.
Get M-Start 3	Returns the current state of the Maintained Start input #3. Either true or false.
Get Start	Returns the current state of the Start input. Either true or false.
Get Stop	Returns the current state of the Stop input. Either true or false.
Get Ready	Returns the current state of the Ready input. Either true or false.

Get Start Latch	Returns the current state of the start latch. Either true or false.
Get Output	Returns the current state of the output. Either true or false.

Description

This block implements a common set of drive start logic functions. It provides three outputs all of which are provided with senders.

The Start input is connected to the set input of the start latch, the inverted values of Stop, and Ready inputs are connected to the reset inputs of the start latch. The start latch is intended for use with pushbutton inputs and its output is labeled Latch. In the start latch, Stop has priority over Start which has priority over Ready. The output of the start latch is Ored with M-Start 1, M-Start 2 and M-Start 3 and that value is ANDed with Enable to generate the normal and inverted Outputs of the block.

Parameters

Enable	Line run input. Expects either true or false.
M-Start 1	Maintained Start input #1. Expects either true or false.
M-Start 2	Maintained Start input #2. Expects either true or false.
M-Start 3	Maintained Start input #3. Expects either true or false.
Start	Start input to the start latch. Expects either true or false.
Stop	Stop input to the start latch. Expects either true or false.
Rerady	Ready input. Expects either true or false.
Get Enable	Returns the current state of the Enable input. Either true or false.
Get M-Start 1	Returns the current state of the Maintained Start input #1. Either true or false.
Get M-Start 2	Returns the current state of the Maintained Start input #2. Either true or false.
Get M-Start 3	Returns the current state of the Maintained Start input #3. Either true or false.
Get Start	Returns the current state of the Start input. Either true or false.
Get Stop	Returns the current state of the Stop input. Either true or false.
Get Ready	Returns the current state of the Ready input. Either true or false.
Get Start Latch	Returns the current state of the start latch. Either true or false.
Get Output	Returns the current state of the output. Either true or false.

Block Diagram

