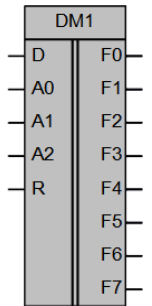


Demultiplexer DM



Input	Data type	Description
D	BOOL	Signal input
A0	BOOL	Control input 0
A1	BOOL	Control input 1
A2	BOOL	Control input 2
R	BOOL	Reset
Output	Data type	Description
F0	BOOL	Output 0
F1	BOOL	Output 1
F2	BOOL	Output 2
F3	BOOL	Output 3
F4	BOOL	Output 4
F5	BOOL	Output 5
F6	BOOL	Output 6
F7	BOOL	Output 7

Function

The macro makes it possible to direct a signal at input D to one of the outputs (F0—F7). The choice of the required output depends on the combination of the inputs (A0—A2).

If the input st is 1, then all the outputs are 0. If the input st is 0, then all the outputs correspond to the truth table.

Truth table

A0	0	1	0	1	0	1	0	1
A1	0	0	1	1	0	0	1	1
A2	0	0	0	0	1	1	1	1
	F0=D	F1=D	F2=D	F3=D	F4=D	F5=D	F6=D	F7=D

Devices	PR110, PR114, PR200
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