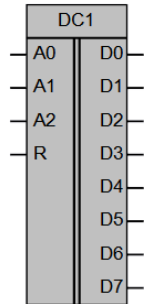


Decoder DC



Input	Data type	Description	Range
A0	BOOL	Bit 0	
A1	BOOL	Bit 1	
A2	BOOL	Bit 2	
R	BOOL	Reset	
Output	Data type	Description	Range
D0	BOOL	Output 0	
D1	BOOL	Output 1	
D2	BOOL	Output 2	
D3	BOOL	Output 3	
D4	BOOL	Output 4	
D5	BOOL	Output 5	
D6	BOOL	Output 6	
D7	BOOL	Output 7	

Function

If a 3-bit binary number is applied to inputs A0..A2 bitwise, the macro activates the output whose number is decimal equivalent of the input number.

If the input R is 1, all the outputs are reset to 0.

Truth table

A0	A1	A2	D0	D1	D2	D3	D4	D5	D6	D7
0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0	0	0	0
0	1	0	0	0	1	0	0	0	0	0
1	1	0	0	0	0	1	0	0	0	0
0	0	1	0	0	0	0	1	0	0	0
1	0	1	0	0	0	0	0	1	0	0
0	1	1	0	0	0	0	0	0	1	0
1	1	1	0	0	0	0	0	0	0	1

Devices	PR110, PR114, PR200
Version	1.0
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