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BC21Inspect

B = Buffer

C = Calculation functions

The BC21Inspect function allows you to acquire a data in FIFO memory without affecting the memory. The data is not extracted but only acquired. Through the input variable index you can capture a different data other than the first inserted, index represents the number of operations would be required to extract the data with the BC21Pop function.

IMPLEMENTATION

BC21Inspect (Buffer, Index, Element, ErrorCode, head, tail)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	ARRGBL/ ARRSYS	Buffer	B/W/L/S	Array containing the Buffer
IN	GLOBAL	Index	L	Variable containing the index of the value to be captured. It is the number of operations required to extract data from the FIFO.
IN	GLOBAL	Element	L/S/W/B	Variable containing the value to be placed in the buffer
OUT	GLOBAL	ErrorCode	F	Variable containing the error possibly occurred during insertion of the value
IN	GLOBAL / SYSTEM	head	L	Internal index
IN	GLOBAL / SYSTEM	tail	L	Internal index

Error

After calling the function if there are any errors the error (ErrorCode) variable takes the following values:

- 0 - No error
- 1 - No data in the FIFO.
- 2 - Invalid index.

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