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BC21Elements

B = *Buffer*

C = *Calculation functions*

The BC21Elements function makes it possible to know the number of items inserted in the FIFO.

IMPLEMENTATION

BC21Elements (Buffer, Element, ErrorCode, head, tail)

Parameters:

| IN/OUT | VARIABLE TYPE | EXAMPLE NAME | DIM | |
|--------|-----------------|--------------|---------|---|
| IN | ARRGBL/ ARRSYS | Buffer | B/W/L/S | Array containing the Buffer |
| OUT | GLOBAL | Element | L | Variable containing the number of elements included in the FIFO. |
| 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

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

0 - No error

1 - No data in FIFO.

2 - FIFO memory that contains data not correctly formatted.

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