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BC21PushBuf

B = Buffer

C = Calculation functions

The BC21PushBuf function inserts a value into a FIFO memory. The function requires an input value in the '**NewElement**' variable and puts it in the memory.

IMPLEMENTATION

BC21PushBuf (Buffer, NewElement, 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	NewElement	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 variable (ErrorCode) takes the following values:

0 - No error

1 - Data not entered due to: full memory.

Example

Inserts the value of the reference count of a device ring buffer of each front of the "gfInsVal" flags

```

MAIN:
  IF gfInsVal
    gfInsVal = 0
    NewElement = count:posit
    BC21PushBuf (Buffer, NewElement, ErrorCode, gl001, gl002)
  ENDF

```

Note

- Using this feature is linked to the **BC21InitBuf** function that initializes the memory.
- Complementary to this function is the **BC21PopBuf** function that extracts a data from FIFO memory.

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