Sommario

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BC10PushBuf

B = *Buffer*

C = *Calculation functions*

The BC10PushBuf function inserts a value into a circular buffer. The function requires an input value in the '**NewElement**' variable and enters it in the buffer in a location that is unknown to the user and that is managed solely by the push function and complementary pop function.

IMPLEMENTATION

BC10PushBuf (Buffer, NewElement, ErrorCode)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	ARRSYS	Buffer	B/W/L/S	Array containing the Buffer
IN	GLOBAL	NewElement	L/S	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

Error

After calling the function if there are any errors the error variable (ErrorCode) takes the following values:
0 - No error
1 - Full Buffer

Example

Inserts the value of the reference count of a device in the ring buffer in front of each “gfInsVal” flags

```
MAIN:
    IF gfInsVal
        gfInsVal = 0
        NewElement = count:posit
        BC10PushBuf (Buffer, NewElement, ErrorCode)**
    ENDIF
```

Note

- Using this feature is linked to the function **BC10InitBuf** that initializes the buffer and that must be called at least once before the BC10PushBuf function.
- Complementary to this function is the **BC10PopBuf** function that extracts che estrae a data by the circular buffer queue.