

**Sommario**

**BC10PushBuf** ..... 3

**IMPLEMENTATION** ..... 3

        Error ..... 3



## 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)**
  ENDF

```

### 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.

Documento generato automaticamente da **Qem Wiki** - <https://wiki.qem.it/>

Il contenuto wiki è costantemente aggiornato dal team di sviluppo, è quindi possibile che la versione online contenga informazioni più recenti di questo documento.