SPT Utilities

Last updated by | Nick Higgins | Sep 22, 2022 at 2:48 PM EDT

Contents

Overview

Miscellaneous functions and function blocks for a variety of common tasks.

Function Blocks

FB_FIFO_ULINT_Array

Properties

Property	Type	Access	Description
EntryCount	DINT	RO	Number of entries currently in buffer
LastInValue	ULINT	RO	Newest value in buffer
NextOutValue	ULINT	RO	Oldest value in buffer

Methods

Method	Return Type	Access	Description
AddEntry	BOOL	PUBLIC	Adds a value to the buffer
RemoveEntry	BOOL	PUBLIC	Removes the oldest value from the buffer

AddEntry()

```
METHOD AddEntry : BOOL

VAR_INPUT
    Entry : ULINT;
END_VAR
```

Adds `Entry` to the buffer. Returns `TRUE` on success, `FALSE` if buffer is full.

RemoveEntry()

```
METHOD RemoveEntry : BOOL
```

Removes the oldest value from the buffer. Returns `TRUE` on success, `FALSE` if buffer was already empty.