LGF_SplitByteToBits

Short description

This block converts a Byte variable into 8 Boolean variables.

Block

```
                  ┌──────────────────────────────────┐
                  │     FC LGF_SplitByteToBits        │
                  │                                   │
    BYTE ─────────┤ byte                      bit7 ├──────── BOOL
                  │                           bit6 ├──────── BOOL
                  │                           bit5 ├──────── BOOL
                  │                           bit4 ├──────── BOOL
                  │                           bit3 ├──────── BOOL
                  │                           bit2 ├──────── BOOL
                  │                           bit1 ├──────── BOOL
                  │                           bit0 ├──────── BOOL
                  │                                   │
                  └──────────────────────────────────┘
```
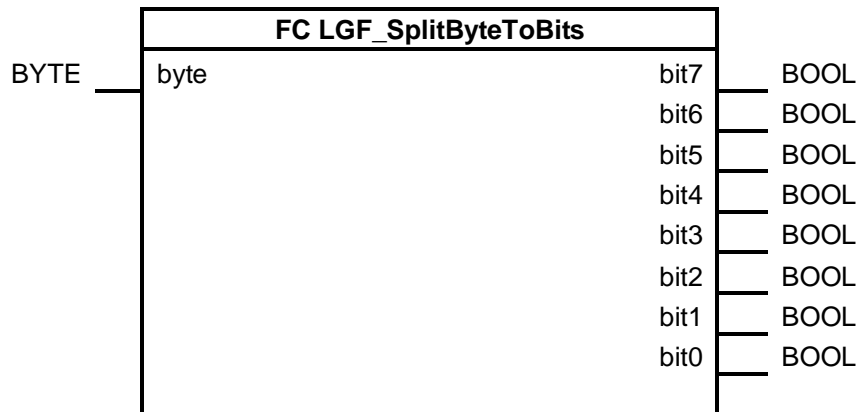
Input parameters

Parameters	Data type	Description
byte	BYTE	Bit sequence to be parsed

Output parameters

Parameters	Data type	Description
bit7 … bit0	BOOL	Bit variables, in which the individual bits are stored

Further information on libraries in TIA Portal:

- Topic page libraries
  https://support.industry.siemens.com/cs/ww/en/view/109738702
- Guideline on Library Handling
  https://support.industry.siemens.com/cs/ww/en/view/109747503
- Programming Guideline for S7-1200/1500 in chapter "Libraries"
  https://support.industry.siemens.com/cs/ww/en/view/81318674
- Programming Styleguide
  https://support.industry.siemens.com/cs/ww/en/view/81318674