LGF_SplitWordToBits

Short description

This block converts a WORD variable into 16 BOOL variables.

Block

```
                    ┌─────────────────────────────────────┐
                    │     FC LGF_SplitWordToBits           │
   WORD  ──────────┤ word                          bit15 ├────── BOOL
                    │                               bit14 ├────── BOOL
                    │                               bit13 ├────── BOOL
                    │                               bit12 ├────── BOOL
                    │                               bit11 ├────── BOOL
                    │                               bit10 ├────── BOOL
                    │                                bit9 ├────── BOOL
                    │                                bit8 ├────── BOOL
                    │                                bit7 ├────── BOOL
                    │                                bit6 ├────── BOOL
                    │                                bit5 ├────── BOOL
                    │                                bit4 ├────── BOOL
                    │                                bit3 ├────── BOOL
                    │                                bit2 ├────── BOOL
                    │                                bit1 ├────── BOOL
                    │                                bit0 ├────── BOOL
                    └─────────────────────────────────────┘
```
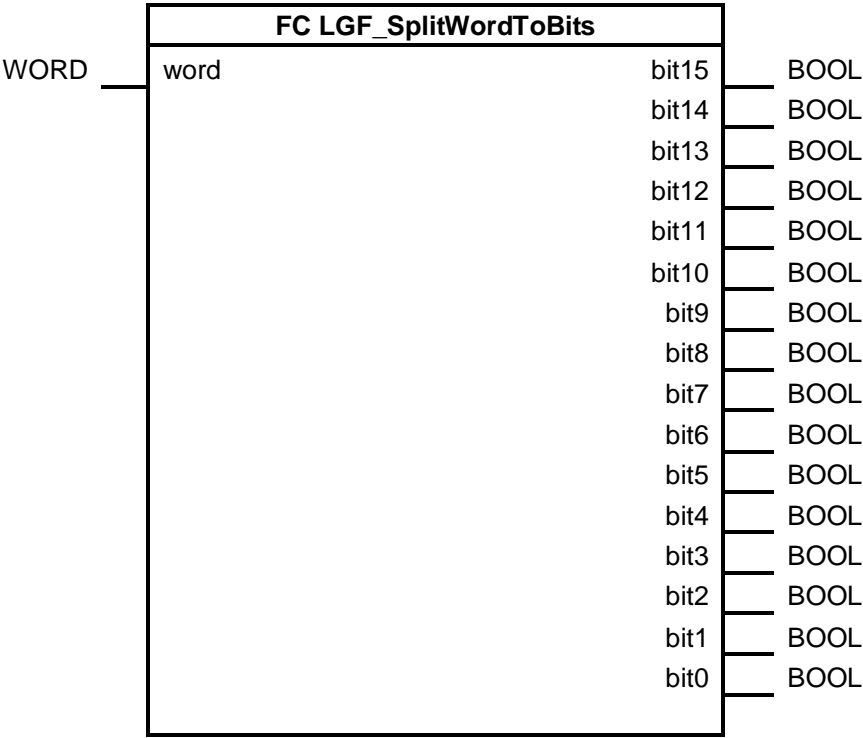
Input parameters

Parameters	Data type	Description
word	WORD	Bit sequence to be parsed

Output parameters

Parameters	Data type	Description
bit15 … 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