LGF_Impulse
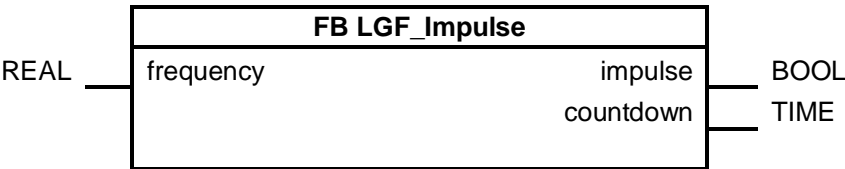
Short description

This block generates pulses at a given frequency. The pulse is always present for one (control) cycle.

Block


```
                FB LGF_Impulse
REAL    frequency              impulse    BOOL
                               countdown  TIME
```

Input parameters

Parameters	Data type	Description
frequency	REAL	Clock frequency in Hz

Output parameters

Parameters	Data type	Description
impulse	BOOL	Signal with pulses
countdown	TIME	Time until next pulse

Principle of operation

The block generates pulses at the output "impulse" with the frequency "frequency". The block always begins with a pulse and sets the next pulse after the period that has elapsed.

Example

FB LGF_Impulse

impulse — TRUE

Period duration: 2 seconds

0.5 — frequency

countdown — T#0S_703MS
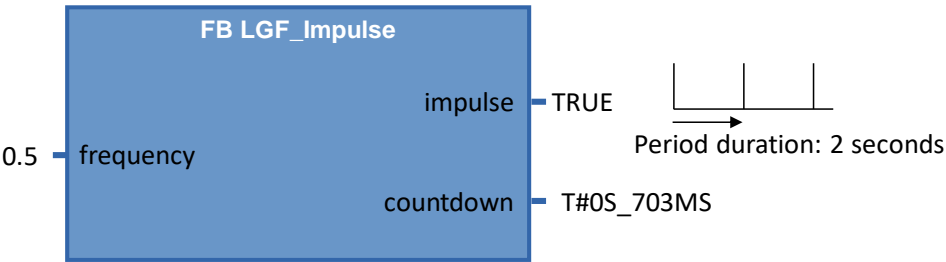
Note	New as of V1.2.0 The LGF_Impulse block (from V1.2.0) no longer calls the LGF_Frequency block.

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