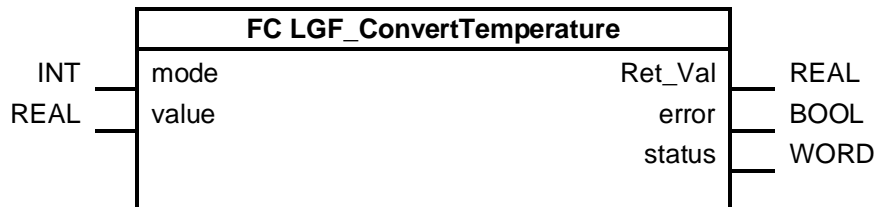


LGF_ConvertTemperature

Short description

This block converts °Celsius to °Fahrenheit or Kelvin, as well as Kelvin to °Fahrenheit or Rankine, and vice versa.

Block



Input parameters

Parameters	Data type	Description
mode	INT	Mode 1. °Celsius to °Fahrenheit 2. °Fahrenheit to °Celsius 3. °Celsius to Kelvin 4. Kelvin to °Celsius 5. °Fahrenheit to Kelvin 6. Kelvin to °Fahrenheit 7. Rankine in Kelvin 8. Kelvin in Rankine
value	REAL	Temperature to be converted

Output parameters

Parameters	Data type	Description
Ret_Val	REAL	Converted temperature
error	BOOL	FALSE: No error TRUE: An error occurred during the execution of the FB.
status	WORD	16#0000-16#7FFF: Status of the FB, 16#8000-16#FFFF: Error identification (see following Table).

Status and error displays

Status	Meaning	Remedy / notes
16#0000	No error	-
16#8200	Incorrect mode on input "mode".	See description of the input parameters

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>