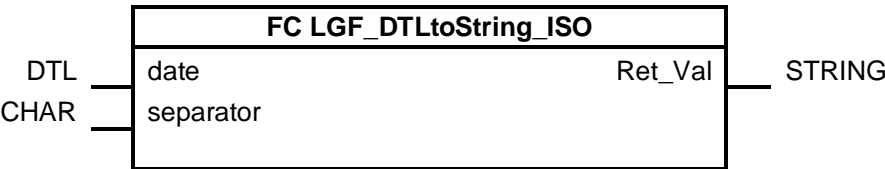


# LGF\_DTLtoString\_ISO

## Short description

This function block converts a date of data type DTL into a character string of data type STRING in international format (YYYY MM DD...).

## Block



## Input parameters

Parameters	Data type	Description
date	DTL	Date
separator	CHAR	Separator between the components of the output date.

## Output parameters

Parameters	Data type	Description
Ret_Val	STRING	Output string in accordance with the ISO 8601 format. Example: '2019-01-22 14:06:51.524621000'

## Principle of operation

The block reads a date of data type DTL and converts the individual components of the date (year, month, day, hour...) into a character string and outputs it in international format. The separator between the components of the date is variable.

## International format (ISO 8601)

	Format																												
outString	Y	Y	Y	Y	-	M	M	-	D	D		H	H	:	M	M	:	S	S	.	NS	NS	NS	NS	NS	NS	NS	NS	NS
Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

## Separator

At the input parameter “separatorDate”, you specify the separator between the components of the calendar date.

Example: separatorDate = '/'  
outString = '2016/03/16...'

separatorDate = '-'  
outString = '2016-03-16...'

**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>