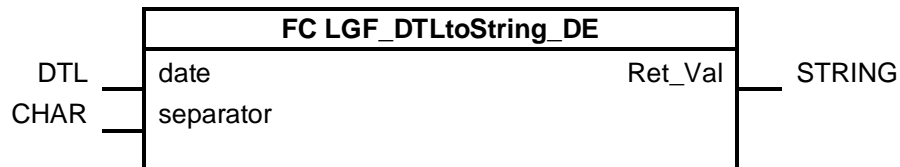## LGF_DTLtoString_DE

Short description

This block converts a date of data type DTL into a character string of data type STRING in the traditional format (DD MM YYYYY…).

Block

	FC LGF_DTLtoString_DE	
DTL —	date	Ret_Val — STRING
CHAR —	separator	

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 according to the traditional format. Example: '22-01-2019 14:07:57.696417000'

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 traditional format (DE). The separator between the components of the date is variable.

Traditional format (DE)

	Format																												
outString	D	D	-	M	M	-	Y	Y	Y	Y		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