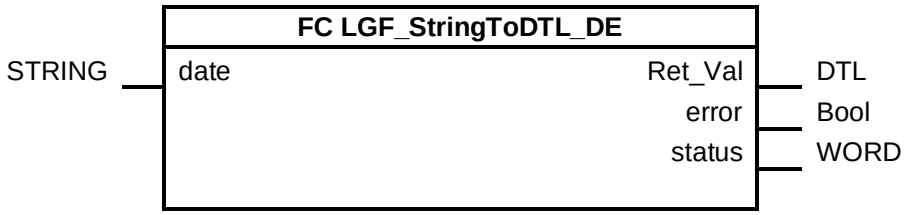
LGF_StringToDTL_DE

Short description

This function block converts a character string in the traditional format (DE) with date components into the data type DTL.

Block



Input parameters

Parameters	Data type	Description
date	STRING	Date as a character string according to the format. Example: '22-01-2019 14:07:57.696417000'

Output parameters

Parameters	Data type	Description
Ret_Val	DTL	Displays the read in date
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 #7000	Initial value	-
16#8201	Format: Year	Year specification does not correspond to the format or specification (outside the value range of DTL)
16#8202	Format: Month	Month specification does not correspond to the format or specification (outside the value range of DTL)
16#8203	Format: Tag	Day specification does not correspond to the format or specification (outside the value range of DTL)
16#8204	Format: Hour	Hour specification does not correspond to the format or specification (outside the value range of DTL)
16#8205	Format: Minute	Minute specification does not correspond to the format or specification (outside the value range of DTL)
16#8206	Format: Second	Second specification does not correspond to the format or specification (outside the value range of DTL)
16#8207	Format: Nanosecond	Nanosecond indication does not correspond to the format or (indication outside the value range of DTL)

Principle of operation

The block reads a date as a character string and converts it to the data type DTL. The individual date components in the character string are separated according to the traditional format (DE). The separator between the components in the character string is irrelevant.

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

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