

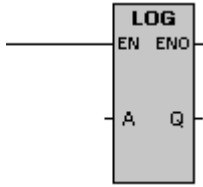
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LOG (Logarithm Base 10))

Function name	LOG_010
Function version	1.0
Function state	stable
Compatibility with IEC61131-3	not compatible

Graphic symbol :



Input / Output :

Name	Belonging Group	Access	Types of data	Description
EN	Left Power Flow			IEC1131-3 enable input
A	Normal	R , RW	F , B , W , L , S	Input variable A
Q	Normal	W , RW	F , B , W , L , S	Result pf the operation $Q = \log (A)$
ENO	Right Power Flow			IEC1131-3 enable output

Description :

The Logarithm base 10 calculates the logarithm in base 10 of the value in A and place the result in Q. The eventual overflow in the result (Q) is ignored.

The logarithm in base 10 of number less or equal to zero is not an error, but calculates Q equal to -186528051 for Q of type flag, byte, word and long; for Q of type float Q is -1,477827475e+038.

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