

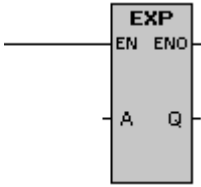
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EXP (Natural Exponential)

Function name	EXP_010
Function version	1.0
Function state	stable
Compatibility with IEC61131-3	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 of the operation $Q = \text{EXP}(A)$
ENO	Right Power Flow			IEC1131-3 enable output

Description :

The operation Natural Exponential executes the exponent of “e” raised at a power of the value in A and place the result in Q. The eventual overflow in the result (Q) is ignored.
There are no error conditions.

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