

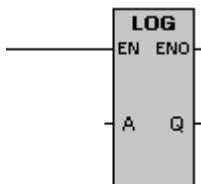
## Sommario

|                                 |       |   |
|---------------------------------|-------|---|
| <b>LOG (Logarithm Base 10))</b> | ..... | 3 |
|---------------------------------|-------|---|



**LOG (Logarithm Base 10))**

|                                      |                |
|--------------------------------------|----------------|
| <b>Function name</b>                 | LOG_010        |
| <b>Function version</b>              | 1.0            |
| <b>Function state</b>                | stable         |
| <b>Compatibility with IEC61131-3</b> | 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.

Documento generato automaticamente da **Qem Wiki** - <https://wiki.qem.it/>

Il contenuto wiki è costantemente aggiornato dal team di sviluppo, è quindi possibile che la versione online contenga informazioni più recenti di questo documento.