

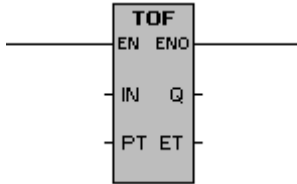
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TOF (Off Delay)

Function name	TOF_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
IN	Normal	R , RW	F , B , W , L , S	Timer activation on rising edge
PT	Normal	R , RW	B , W , L , S	Preset timer in milliseconds
Q	Normal	W , RW	F , B , W , L , S	Resulting state of the elaboration function
ET	Normal	W , RW	B , W , L , S	Timer value
ENO	Right Power Flow			IEC1131-3 enable output

Description :

The function block **TOF** is used to delay the setting of an output to “false” for an established time period after the input became false. The block counts until the preset value when the activation input (IN) becomes false. If the elapsed time (ET) is greater than or equal to the preset time (PT), the output bit of the timer (Q) is activated. When it’s reached the preset time, the output bit of the timer becomes false and the elapsed time is maintained until the activation input doesn’t set the transition to true. When the activation input (IN) sets the transition to false for a period of time less than the preset time (PT), the output bit remains true.

The timer TOF has the resolution of 1ms.

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