

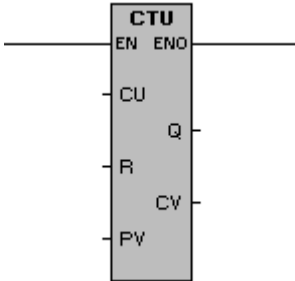
Sommario

CTU (Up Counter) 3

CTU (Up Counter)

Function name	CTU_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
CU	Normal	R , RW	F , B , W , L , S	Increase counter on the raising front
R	Normal	R , RW	F , B , W , L , S	Reset counter
PV	Normal	R , RW	B , W , L , S	Preset counter
Q	Normal	W , RW	F , B , W , L , S	Counter state
CV	Normal	W , RW	B , W , L , S	Present value of the counter
ENO	Right Power Flow			IEC1131-3 enable output

Description :

The function block CTU is used to count the pulses noticed in the input CU. Each raise front of the input CU increases the counter of a unit. The value of the counter can be cancelled setting a value different from 0 (zero) in the input R. The output CV provides the current value of the counter. If the value of the counter is less of the limiting value PV, the output Q will have the Boolean value 0 (zero). The output Q is set to 1 when the limiting value is reached or exceeded, and, in that case, the counter stops counting the raising front of the input CU.

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