

Totally Integrated Automation Portal

PT_puls [FB22]

PT_puls Properties

General

Name	PT_puls	Number	22	Type	FB	Language	SCL
Numbering	Automatic						

Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	Writ able from HMI/ OPC UA/ Web API	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
▼ Input									
PV	Real	50.0	Retain	True	True	True	False		
T	Time	T#20S	Retain	True	True	True	False		
▼ Output									
PWM	Bool	false	Non-retain	True	True	True	False		
InOut									
▼ Static									
▼ GEN_T	TP_TIME		Non-retain	True	True	True	True		
PT	Time	T#0ms	Non-retain	True	True	True	False		
ET	Time	T#0ms	Non-retain	True	False	True	False		
IN	Bool	false	Non-retain	True	True	True	False		
Q	Bool	false	Non-retain	True	False	True	False		
▼ GEN_PV	TP_TIME		Non-retain	True	True	True	True		
PT	Time	T#0MS	Non-retain	True	True	True	False		
ET	Time	T#0ms	Non-retain	True	False	True	False		
IN	Bool	false	Non-retain	True	True	True	False		
Q	Bool	false	Non-retain	True	False	True	False		
▼ Temp									
START_GEN	Bool								
PT_GEN_T	DInt								
Constant									

0001 #PT_GEN_T := REAL_TO_DINT(#PV) * TIME_TO_DINT(#T) / 100;

0002

0003 #START_GEN := NOT #GEN_T.Q;

0004 #GEN_T(IN:=#START_GEN, PT:=#T) ;

0005

0006 #GEN_PV(IN:=#START_GEN, PT:=#PT_GEN_T) ;

0007 #PWM := #GEN_PV.Q;

Symbol	Address	Type	Comment
#GEN_PV		IEC_Timer	
#GEN_PV.Q		Bool	
#GEN_T		IEC_Timer	
#GEN_T.Q		Bool	
#PT_GEN_T		DInt	
#PV		Real	
#PWM		Bool	
#START_GEN		Bool	
#T		Time	