

TECHNICAL DOCUMENTATION

Example 12.2

Project	Example 12.2
Designer	
Application	example_12_2.stu
Software Version	ControlExpert V15.0-SP1
Creation Date	6/16/2023 10:22:38 AM
Last Modification Date	6/16/2023 10:22:38 AM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

MAST

Specific properties

Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

Main : [MAST]

```
120|      1|      10|      20|      30|      40|      50|      60|      70|      80|      90|      100|      110|
      134|
1  (* Example 12.2 *)
2  (* Copyright (c) 2011 Dogwood Valley Press, LLC *)
3
4  IF NOT P_Seal THEN
5    IF ( (PDEFECT AND NOT PROX5) AND NOT Pls_Tmr.Q ) THEN
6      P_Seal := TRUE;
7    END_IF;
8  ELSE
9    IF Pls_Tmr.Q THEN P_Seal := FALSE;
10   END_IF;
11 END_IF;
12
13 (* Handle timers *)
14 St_Delay(IN:=P_Seal, PT:=T#5.5s, Q=>SPRAY);
15 (*SPRAY := St_Delay.Q;*)
16 Pls_Tmr(IN:=SPRAY, PT:=T#1s);
17 (*S_Done := Pls_Tmr.Q; *)
```

FAST

Specific properties

Configuration	Periodic
Task period configuration	5
Watchdog time configuration	100

Cross References

Application:

Addresses

Object	Referred into	Location	Usage
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Variables or FB instances

Object	Referred into	Location	Usage
P_Seal	Main : [MAST]	(l 4, c: 8)	R
		(l 6, c: 5)	W
		(l 9, c: 21)	W
		(l 14, c: 14)	R
PDEFECT	Main : [MAST]	(l 5, c: 9)	R
Pls_Tmr	Main : [MAST]	(l 5, c: 40)	R
		(l 9, c: 6)	R
		(l 16, c: 1)	FC
PROX5	Main : [MAST]	(l 5, c: 25)	R
SPRAY	Main : [MAST]	(l 14, c: 37)	W
		(l 16, c: 13)	R
St_Delay	Main : [MAST]	(l 14, c: 1)	FC

Cross References

New_DFB:

Variables or FB instances

Object	Referred into	Location	Usage
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