Totally Integrated	
Automation Portal	

Function Block Pusher / PLC_1 [CPU 1211C DC/DC/DC] / Program blocks

Main [OB1]

Main Properties								
General								
Name	Main	Number	1	Туре	ОВ	Language	LAD	
Numbering	Automatic							
Information								
Title	"Main Program Sweep (Cy- cle)"	Author		Comment		Family		
Version	0.1	User-defined ID						

Main							
Name	Data type	Default value	Comment				
▼ Input							
Initial_Call	Bool		Initial call of this OB				
Remanence	Bool		=True, if remanent data are available				
Тетр							
Constant							

Network 1:

```
%DB2
"instPusherMain0
                                                                                                            %DB4
"instPusherMain1
                                                                                                                                                                                           %DB3
"instPusherMain2
                                                                                                                  %FB1
                                                                                                                                                                                                  %FB1
                               "FB_Pusher"
                                                                                                               "FB_Pusher"
                                                                                                                                                                                               "FB_Pusher"
                                                 ENO
                                                                                                                                 ENO
                                                                                                                                                                                                                 ENO
            false — xExtend
                                              xPosBck → false
                                                                                           false — xExtend
                                                                                                                             xPosBck ─Ifalse
                                                                                                                                                                           false — xExtend
                                                                                                                                                                                                             xPosBck ─Ifalse
                                            xPosFront → false
                                                                                                                            xPosFront → false
                                                                                                                                                                                                            xPosFront → false
           %10.0
                                                                                           %10.2
                                                                                                                                                                          %10.4
                                              XAlarm → false
                                                                                                                              XAlarm → false
                                                                                                                                                                                                              XAlarm — false
                                                                               "xPusherSensBck_
                                                                                                                                                               "xPusherSensBck_
"xPusherSensBck
                                                                                                                                %Q0.1
xCoil → "xPusherCoil_2"
                                                %Q0.0
xCoil → "xPusherCoil_1"
                                                                                                    xSensorBck
                                                                                                                                                                                                                %Q0.2
xCoil → "xPusherCoil_3"
           %I0.1
                                                                                           %10.3
                                                                                                                                                                          %10.5
                                                                                                                                                              "xPusherSensFron
t_3" — xSensorFront
                                                                               "xPusherSensFron
t_2" — xSensorFront
"xPusherSensFron
t_1" — xSensorFront
```

Network 2:

Network 3: step 0

```
%M0.6
"xStatstart"
                                                                                                              %M1.1 "xstep_0"
                                                                                                             "xstep_10"
                                                                                                                -( R )-
                                                                                                               %M1.3
                                                                                                             "xstep_20"
                                                                                                                _( R )_
                                                                                                             %M1.4 "xstep_30"
                                                                                                                -( R )-
%M0.6
"xStatstart"
                            %M1.1 "xstep_0"
                                                  "instPusherMain0 "instPusherMain1 ".xSensorBck ".xSensorBck
                                                                                                        "instPusherMain2
".xSensorBck
                                                                                                                                        %M1.2 "xstep_10"
                               \dashv \vdash
                                                                                                                                           -( s )-
                                                                                                                                           %M1.1
                                                                                                                                          "xstep_0"
                                                                                                                                           —( R )—
```

Network 4: Step 10

```
Totally Integrated
   Automation Portal
                                                                                                                        "instPusherMain2 "instPusherMain1 ".xSensorFront ".xSensorBck
                                                                               %M0.6
"xStatstart"
                                                                                                     %M1.2
"xstep_10"
                                                                                                                                                                   "instPusherMain0
".xSensorBck
                                                                                                                                                                                             %M1.3 "xstep_20"
                                                                                                                                                                                                -( s )-
                                                                                                                                                                                               %M1.2
                                                                                                                                                                                             "xstep_10"
                                                                                                                                                                                                _( R )_
Network 5: step 20
                                                                                                                        "instPusherMain1 "instPusherMain2 "instPusherMain0 ".xSensorFront ".xSensorFront
                                                                                                                                                                                             %M1.4 "xstep_30"
                                                                                 %M0.6
                                                                                                       %M1.3
                                                                               "xStatstart"
                                                                                                     "xstep_20"
                                                                                                                                                                          \dashv \vdash
                                                                                                        +
                                                                                   + +
                                                                                                                                                                                                -( s )-
                                                                                                                                                                                               %M1.3
                                                                                                                                                                                             "xstep_20"
                                                                                                                                                                                                -( R )-
Network 6: step 30
                                                                                                                                                                   %DB5
"IEC_Timer_0_DB"
                                                           %M0.6
                                                                                 %M1.4
                                                                                                  "instPusherMain1 "instPusherMain2 "instPusherMain0
                                                                                                                                                                                                                     %M1.1
                                                                                                                                                                          Time
                                                         "xStatstart"
                                                                               "xstep_30"
                                                                                                    ".xSensorBck
                                                                                                                          ".xSensorBck
                                                                                                                                                ".xSensorBck
                                                                                                                                                                                                                    "xstep_0"
                                                            + +
                                                                                  +
                                                                                                                              +
                                                                                                                                                                                                                      -( s )−
                                                                                                                                                                                 ET — T#0ms
                                                                                                                                                                                                                     %M1.4
                                                                                                                                                                                                                    "xstep_30"
Network 7:
                                                                                           %M1.2 "xstep_10"
                                                                                                                                                                              "instPusherMain0
".xExtend
                                                                                                                                                                                     -( R )-
                                                                                                                                                                               "instPusherMain1
".xExtend
                                                                                                                                                                                     -( R )-
                                                                                                                                                                               "instPusherMain2
".xExtend
                                                                                                                                                                                     -( s }---
                                                                                                                                                                               "instPusherMain0
".xExtend
                                                                                           %M1.1 "xstep_0"
                                                                                                                                                                                     -( ℝ }---
                                                                                                                                                                               "instPusherMain1
".xExtend
                                                                                                                                                                                     -( R )-
                                                                                                                                                                               "instPusherMain2
".xExtend
                                                                                                                                                                                     -( R }-----
                                                                                          %M1.3 "xstep_20"
                                                                                                                                                                               "instPusherMain0
".xExtend
                                                                                                                                                                                     -( s }---
                                                                                                                                                                               "instPusherMain1
".xExtend
                                                                                                                                                                                     -( s }--
                                                                                                                                                                               "instPusherMain2
                                                                                                                                                                                   ".xExtend
                                                                                                                                                                                     -( s }--
                                                                                            %M1.4
                                                                                                                                                                              "instPusherMain0
".xExtend
                                                                                           "xstep_30"
                                                                                                                                                                                    -( R }--
                                                                                                                                                                               "instPusherMain1
".xExtend
                                                                                                                                                                                     _( R )__
                                                                                                                                                                               "instPusherMain2
".xExtend
                                                                                                                                                                                     -( R )--
```

Network 8:

