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Default value Default value Retain Retain Accessible from HMI/O Accessible from HMI/OPC UA/Web API Writable from HMI/OPC UA/Web API Writable from HMI/OPC UA/Web API Visible in HMI engineering Setpoint Setpoint Supervision Supervision	false Non-retain DPC UA/Web API True C UA/Web API True ering True		
Default value Default value Retain Retain Accessible from HMI/O Accessible from HMI/OPC UA/Web API Writable from HMI/OPC Writable from HMI/OPC UA/Web API Visible in HMI engineering Setpoint Setpoint Supervision Supervision Comment	false Non-retain DPC UA/Web API True C UA/Web API True ering True		
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Supervision		Supervision	
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Comment			
		v. ,	
Network 1: Pokret	tanje i prekidanje automatskog	nacina rada	

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Totally Integrated **Automation Portal** %DB9 "IEC_Timer_0_DB" "pom_bits". automatika_ aktivna "pom_bits".start_ TON auto Time **-(**s)-- IN ET —T#0ms T#3s — **PT** "pom_bits". automatika_ aktivna "HMI_signals". setup_mode **⊣**₽|--(R)-#bit_na_brid[0] Network 2: Zrak u sustavu "pom_bits". automatika_ "HMI_signals". zrak_u_sustavu aktivna +P+-(s)-#bit_na_brid[5]

Network 3: Mogući errori

Totally Integrated **Automation Portal** %DB5 "err_timer" "HMI_signals". Estop TP Time "Errors".err_Estop **-**| N |-**⊣** } IN Q T#0.5s — PT #bit_na_brid[8] ET — T#0ms %DB5 "err_timer" "Errors".err_ raspored %15.6 %19.0 TP "s1_mk_ind" "s2_vk_ind1" Time ┨₽┣ IN Q #bit_na_brid[9] T#0.5s — PT ET — T#0ms **%I9.1** "s2_vk_ind2" $\dashv P \vdash$ #bit_na_brid[10] %DB5 "err_timer" "HMI_signals". auto_mode "Errors".err_vrata_ otvorena %17.0 "otvoren_lock" Time $\dashv \vdash$ \dashv P \vdash ()-#bit_na_brid[11] T#0.5s — PT ET — T#0ms Network 4: Aktivacija error bita "Errors".err_Estop "Errors".error_bit | | |-(s)_

```
"Errors".err_Estop "Errors".error_bit

"Errors".err_
raspored
"Errors".err_vrata_
otvorena
```

Network 5: Safety reset

```
"HMI_signals". %M1.1
Estop "bijelo" "Errors".error_bit

R)
```

Network 6: Otvaranje ventila - stezaljke

Totally Integrated **Automation Portal** "HMI_signals".set_ "HMI_signals". "HMI_signals". %Q0.1 ventil 1_ukljuci setup_mode zrak_u_sustavu "ventil_1_ukljuci" **H** F 4 + ()-"pom_bits". automatika_ "Sekvence_DB". ventil_1_ukljuci aktivna "Errors".error_bit "HMI_signals".set_ ventil2_ukljuci "HMI_signals". setup_mode "HMI_signals". %Q0.3 zrak_u_sustavu "ventil_2_ukljuci" (} "pom_bits". automatika_ "Sekvence_DB". aktivna ventil_2_ukljuci "Errors".error_bit \dashv \vdash

Network 7: Zatvaranje ventila - stezaljke

```
"HMI_signals".set_
                       "HMI_signals".
                                                                                            %Q0.2
 ventil 1_iskljuci
                                                                                      "ventil_1_iskljuci"
       1 F
                             1 H
                                                                                              ( )-
  "pom_bits".
automatika_
                      "Sekvence_DB".
ventil_1_iskljuci
     aktivna
                                           "Errors".error_bit
'HMI_signals".set_
                       "HMI_signals".
                                                                                            %Q0.4
 ventil2_iskljuci
                        setup_mode
                                                                                      "ventil_2_iskljuci"
                                                                                             ( )-
   "pom bits".
  automatika_
                      "Sekvence_DB".
     aktivna
                      ventil_2_iskljuci
                                           "Errors".error_bit
```

Network 8: Otvaranje ventila - pinovi

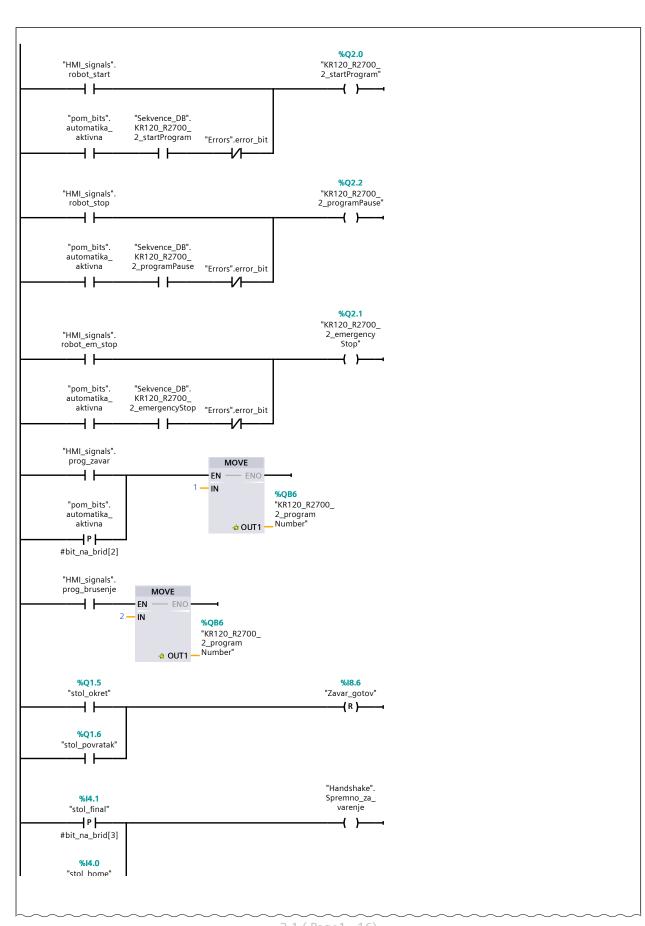
```
"HMI_signals".set_
                     "HMI_signals".
                                                           "HMI_signals".
                                                                                  %Q1.1
 entil1_pin_ukljuci
                     setup_mode
                                                           zrak_u_sustavu
                                                                            "ventil_pin_1_uklj"
       1 }
                                                                                   ( )-
   "pom bits".
   automatika_
                    "Sekvence_DB".
                   ventil_pin_1_uklj
     aktivna
                                      "Errors".error_bit
"HMI_signals".set_
                     "HMI_signals".
                                                           "HMI_signals".
                                                                                  %Q1.3
ventil2_pin_ukljuci
                     setup_mode
                                                          zrak_u_sustavu
                                                                            "ventil_pin_2_uklj"
                                                                                   ( }
   "pom_bits".
                    "Sekvence_DB".
     aktivna
                    ventil_pin_2_uklj
                                      "Errors".error_bit
```

Network 9: Zatvaranje ventila - pinovi

Totally Integrated **Automation Portal** "HMI_signals".set_ ventil1_pin_ iskljuci %Q1.2 "HMI_signals". setup_mode "ventil_pin_1_ isklj" ()-"pom_bits". "Sekvence_DB". ventil_pin_1_isklj "Errors".error_bit automatika_ aktivna $\dashv \vdash$ 'HMI_signals".set_ %Q1.4 ventil2_pin_ iskljuci "HMI_signals". setup_mode "ventil_pin_2_ isklj" 4 F **()** "pom_bits". automatika_ "Sekvence_DB". ventil_pin_2_isklj "Errors".error_bit aktivna Network 10: Okret stola "HMI_signals".set_ okret "HMI_signals". %Q1.5 "stol_okret" setup_mode +()-"pom_bits". %15.0 automatika_ "Sekvence_DB". "KR120_R2700_ aktivna stol_okret 2_at_HOME" "Errors".error_bit **-** | | | | | Network 11: Povratak stola "HMI_signals". "HMI_signals".set_ %Q1.6 povratak setup_mode "stol_povratak" 4 F 4 F () "pom_bits". %15.0 automatika_ aktivna "KR120_R2700_ 2_at_HOME" "Sekvence_DB". stol_povratak "Errors".error_bit **Network 12: Robot**

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Automation Portal

Network 12: Robot (1.1 / 2.1)



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Network 12: Robot (2.1		
	12.1) 1.1 (Page1 - 15)	

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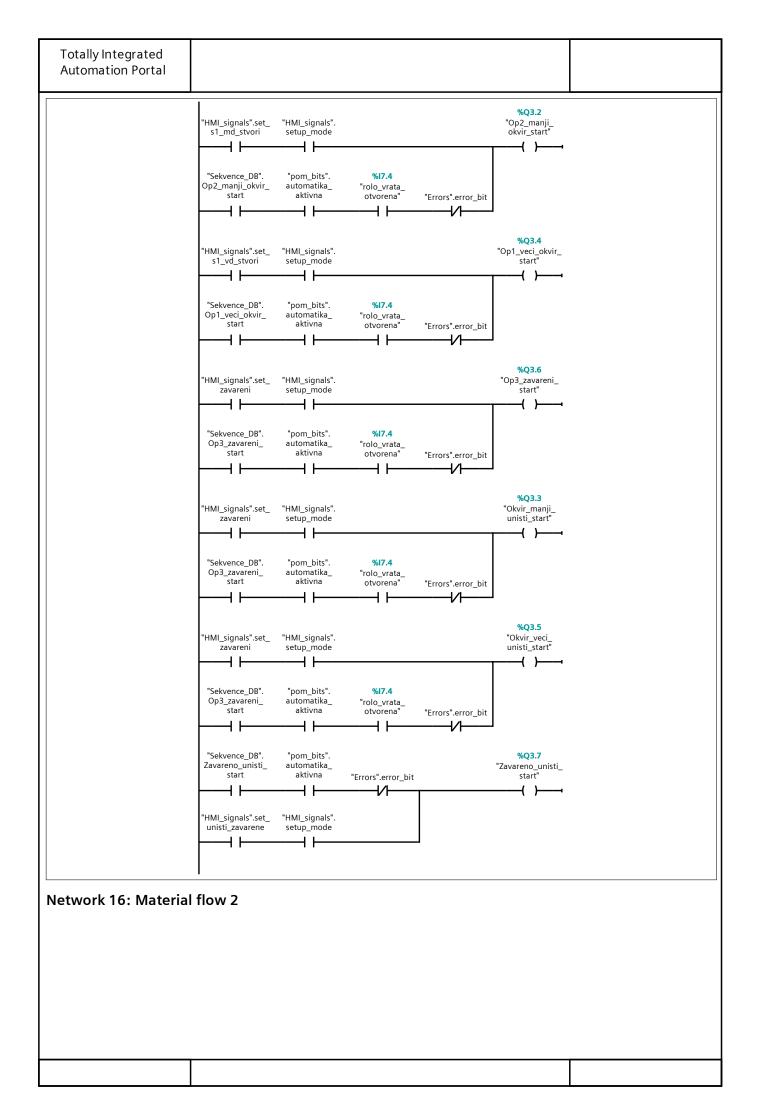
Network 13: Rolo vrata

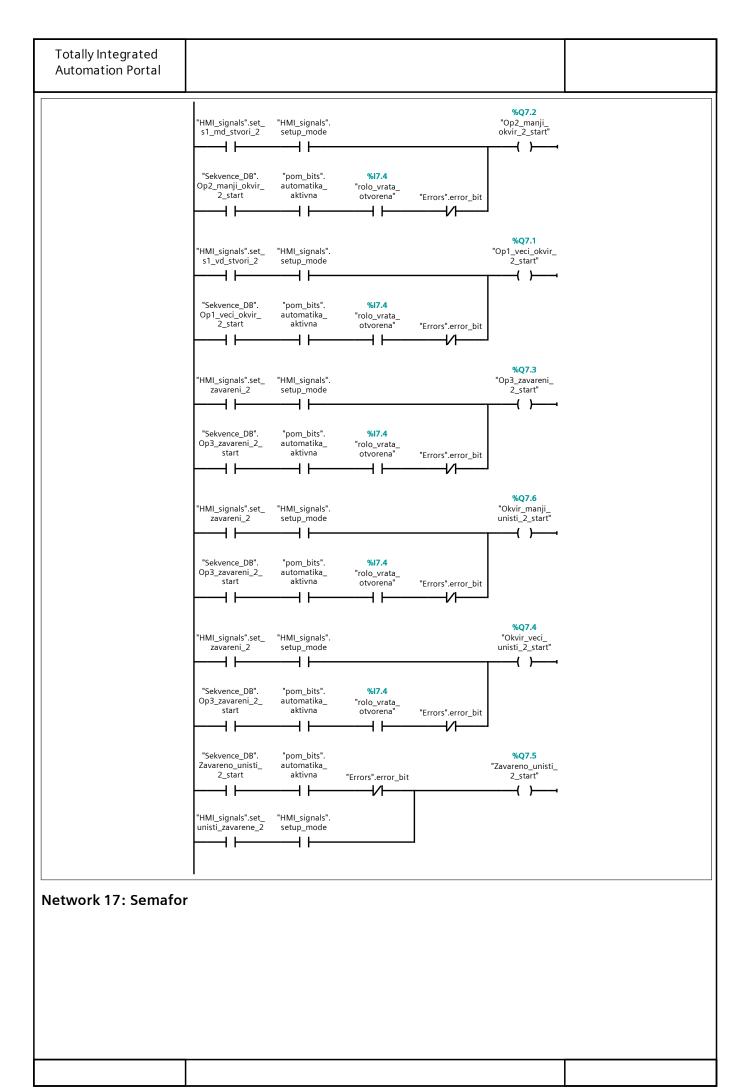
```
"HMI_signals".set_
vrata_otvori
                              "HMI_signals".
setup_mode
                                                                                                                       %Q3.0
                                                                                                                  "vrata_otvori"
                                                                                                                        <del>(</del> )-
   "pom_bits".
automatika_
                              "Sekvence_DB".
vrata_otvori
       aktivna
                                                        "Errors".error_bit
                                     \dashv \vdash
                                                                 <del>-</del>1/1-
         "HMI_signals".set_
vrata_zatvori
                              "HMI_signals".
setup_mode
                                                                                                                       %Q3.1
                                                                                                                  "vrata_zatvori"
         + +
                                     +
                                                                                                                         <del>(</del> )-
   "pom_bits".
automatika_
                              "Sekvence_DB".
vrata_zatvori
                                                        "Errors".error_bit
       aktivna
```

Network 14: Safety lock vrata

```
"HMI_signals".
lock_otv
                             "HMI_signals".
setup_mode
                                                                                                                         %Q4.2
                                                                                                                       "lock_otv"
                                                                                                                           ( )-
                                                            "pom_bits".
automatika_
                                   %15.0
                            "KR120_R2700_
2_at_HOME"
#zahtjev_poslan
                                                               aktivna
 "HMI_signals".
lock_zat
                             "HMI_signals".
setup_mode
                                                                                                                         %Q4.1
                                                                                                                       "lock_zat"
        <del>|</del> | |
                                     <del>|</del> | |
                                                                                                                           <del>(</del> )-
```

Network 15: Material flow





Totally Integrated **Automation Portal** "pom_bits". automatika_ aktivna "HMI_signals". zahtjev_za_vrata #zahtjev_poslan 1 F (s)-%17.0 "otvoren_lock" #zahtjev_poslan \dashv \vdash –(R)—— "pom_bits". automatika_ aktivna "HMI_signals". setup_mode "HMI_signals". auto_mode %17.6 "zuto_svjetlo" **-**//⊦ $\dashv \vdash$ ()-%M105.7 #zahtjev_poslan "Clock_0.5Hz" 4 F "pom_bits". automatika_ aktivna "HMI_signals". setup_mode %15.3 "zeleno_svjetlo" 1/} ()-"pom_bits". automatika_ aktivna "HMI_signals". auto_mode **%M105.7** "Clock_0.5Hz" \dashv \vdash $\dashv \vdash$ %17.7 "Errors".error_bit "crveno_svjetlo" ()-