Totally Inte Automation											
250311_2_Njegovec_dipl / PLC_1 [CPU 1513-1 PN] / Program blocks / Senzori											
Senzori_prog [FB2]											
Senzori_prog Properties General											
Name	Senzori_	prod	Number	2		Туре	FB				
Language	LAD	prog	Numbering		omatic	Type	l D				
Information			144,112 2	,							
Title			Author			Comment					
Family			Version	0.1		User-defined					
						ID					
Senzori_prog											
Name											
Name	l	Input									
Data type											
Data type											
Default value											
Default value	:										
Retain											
Retain											
		PC UA/Web API									
Accessible fro HMI/OPC UA/V											
Writable from		LIA/Mah API									
Writable from HMI/OPC UA/V	n	UA/WED AIT									
Visible in HMI		ina									
Visible in HMI neering		illy									
Setpoint											
Setpoint											
Supervision											
Supervision					Supervision						
Supervision					Supervision						
Comment											
Comment											
Name											
Name	(Output									
Data type											
Data type Default value											
Default value											
Retain											
Retain											
	om HMI/OF	PC UA/Web API									
Accessible fro	om										
HMI/OPC UA/V											
Writable from HMI/OPC UA/Web API											
Writable from											
HMI/OPC UA/V											
Visible in HMI Visible in HMI		ing									
neering	rengi-										
i											

Totally Intograted		
Totally Integrated Automation Portal		
Automation Portai		
Setpoint		
Setpoint		
Supervision		
Supervision		Supervision
Supervision		Supervision
Comment		
Comment		
Name		
Name	InOut	
Data type		
Data type		
Default value		
Default value		
Retain		
Retain		
Accessible from HMI/C	PC UA/Web API	
Accessible from		
HMI/OPC UA/Web API		
Writable from HMI/OP	C UA/Web API	
Writable from		
HMI/OPC UA/Web API		
Visible in HMI enginee	ering	<u></u>
Visible in HMI engi-		
neering		
Setpoint		<u></u>
Setpoint		
Supervision		
Supervision		Supervision
Supervision		Supervision
Comment		Jupel Vision
Comment		
Name		
Name	Static	
Data type	Static	
Data type		
Default value		
Default value		
Retain		
Retain		
Accessible from HMI/C	PC UA/Web API	
Accessible from		
HMI/OPC UA/Web API		
Writable from HMI/OP	C UA/Web API	
Writable from		
HMI/OPC UA/Web API		
Visible in HMI enginee	ring	
Visible in HMI engi-		
neering		
Setpoint		
Setpoint		
Supervision		
Supervision		Supervision
Supervision		Supervision
Comment		
Comment		
Name		
Name Name	Temp	
Name	Temp	
	Temp	

ı

Totally Integrated			
Automation Portal			
Default value			
Default value			
Retain			
Retain			
Accessible from HMI/O	PC UA/Web API		
Accessible from			
HMI/OPC UA/Web API			
Writable from HMI/OPC	UA/Web API		
Writable from			
HMI/OPC UA/Web API			
Visible in HMI engineer	ring		
Visible in HMI engi-			
neering			
Setpoint			
Setpoint			
Supervision			
Supervision		Supervision	
Supervision		Supervision	
Comment			
Comment			
Name			
	Constant		
Data type			
Data type			
Default value			
Default value			
Retain			
Retain			
Accessible from HMI/O	PC UA/Web API		
Accessible from			
HMI/OPC UA/Web API			
Writable from HMI/OPC	CUA/Web API		
Writable from			
HMI/OPC UA/Web API			
Visible in HMI engineer	ring		
Visible in HMI engi-			
neering			
Setpoint			
Setpoint			
Supervision		C	
Supervision		Supervision	
Supervision		Supervision	
Comment			
Comment			
Network 1: Senzor	i od stezalika		
Network 1. Selizon	i od stezaljka		

```
%10.1
                             %10.3
                                                       %10.5
                                                                               %10.7
                                                                                                                            "Senzori".
clamps1_open
"clamp_1_1_
otvoren"
                         "clamp_2_1_
otvoren"
                                                  "clamp_3_1_
otvoren"
                                                                           "clamp_4_1_
otvoren"
                                                                                                    "clamp_5_1_
otvoren"
     <del>|</del> | |-
                                                        4 F
                                                                                 4 F
                                                                                                          4 F
                                                                                                                                   ( )-
                              4 F
    %I1.3
                             %I1.5
                                                      %I1.7
                                                                               %I2.1
                                                                                                         %I2.3
"clamp_1_2_
otvoren"
                         "clamp_2_2_
otvoren"
                                                  "clamp_3_2_
otvoren"
                                                                           "clamp_4_2_
otvoren"
                                                                                                    "clamp_5_2_
otvoren"
                                                                                                                               "Senzori".
                                                                                                                            clamps2_open
                              <del>|</del> | |
                                                       \dashv \vdash
                                                                                <del>(</del> )-
     \dashv \vdash
    %10.0
                             %10.2
                                                      %10.4
                                                                               %10.6
                                                                                                         %I1.0
"clamp_1_1_
zatvoren"
                         "clamp_2_1_
zatvoren"
                                                  "clamp_3_1_
zatvoren"
                                                                           "clamp_4_1_
zatvoren"
                                                                                                    "clamp_5_1_
zatvoren"
                                                                                                                               "Senzori".
                                                                                                                           clamps 1\_closed
     - | |-
                                                                                +
                                                                                                          H F
                                                                                                                                   ( )-
                             %I1.4
                                                      %I1.6
                                                                                                         %I2.2
    %I1.2
                                                                               %12.0
                                                                                                    "clamp_5_2_
zatvoren"
"clamp_1_2_
zatvoren"
                         "clamp_2_2_
zatvoren"
                                                  "clamp_3_2_
zatvoren"
                                                                           "clamp_4_2_
zatvoren"
                                                                                                                               "Senzori".
                                                                                                                            clamps2_closed
                                                       <del>|</del> | |
                                                                                                          +
                                                                                                                                  ┨┞
```

Network 2: Senzori od pinova

```
%12.7
      %12.5
                                               %I3.1
                                                                                   "Senzori".pins1_
out
    "pin_1_1_
izvucen"
                         "pin_2_1_
izvucen"
                                             "pin_3_1_
izvucen"
                                                +
       ┨╟
                           +
                                                                                          ( )-
                          %13.5
      %13.3
                                               %13.7
   "pin_1_2_
izvucen"
                        "pin_2_2_
izvucen"
                                             "pin_3_2_
izvucen"
                                                                                    "Senzori".pins2_
                                                                                          out
       \dashv \vdash
                                                ( )-
      %12.4
                           %12.6
                                               %13.0
"pin_1_1_uvucen" "pin_2_1_uvucen" "pin_3_1_uvucen"
                                                                                  "Senzori".pins1_in
       1 F
                            ┨┠
                                                4 F
                                                                                         -( )-
      %13.2
                           %13.4
                                               %I3.6
"pin_1_2_uvucen" "pin_2_2_uvucen" "pin_3_2_uvucen"
                                                                                  "Senzori".pins2_in
                                                                                          ( }
```

Network 3: Senzori prisutnost dijelova

```
%I5.6
                      %I5.4
                                        %15.5
                                                                          "HMI_signals".
"s1_mk_ind"
                  "s1_vk_ind1"
                                     "s1_vk_ind2"
                                                                        strana_1_prisutni
   +
                      4 F
                                         +
                                                                               ( )-
                                                                        "HMI_signals".
strana_2_prisutni
   %19.2
                                         %I9.1
                      %19.0
"s2_mk_ind"
                  "s2_vk_ind1"
                                     "s2_vk_ind2"
    4 F
                                         4  
                                                                              -( )-
```