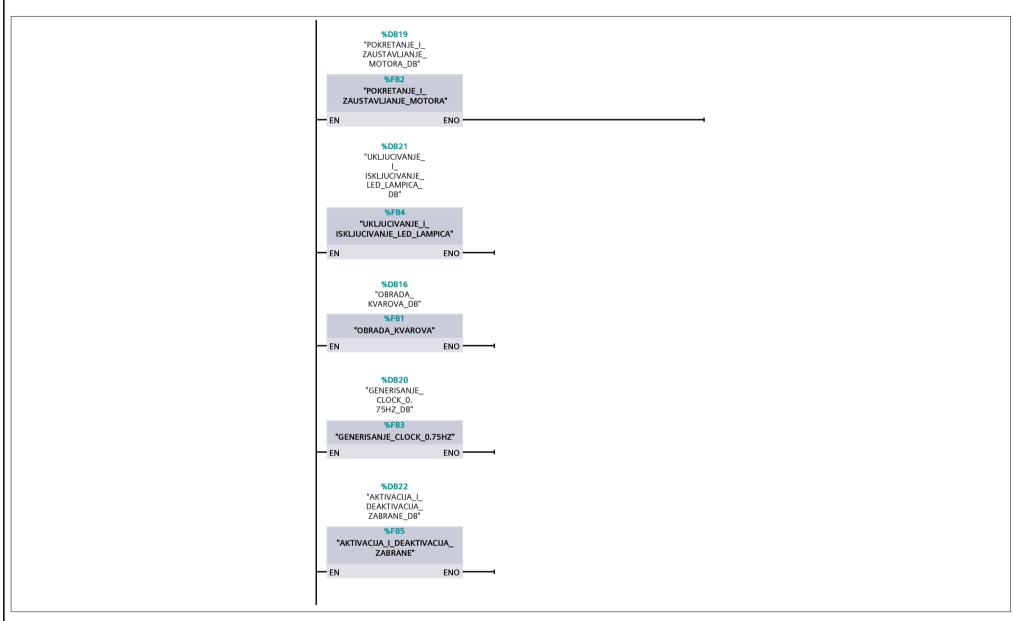
Totally Integrated	
Automation Portal	

# 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								

Name	Data type	Default value	Comment
<b>▼</b> Input			
Initial_Call	Bool		Initial call of this OB
Remanence	Bool		=True, if remanent data are available
Temp			
Constant			

# Network 1:



## Network 2:

Totally Integrated **Automation Portal %DB23**"IMPLEMENTACIJA\_ BLOKADE\_DB" %FB6 "IMPLEMENTACIJA\_BLOKADE" **%DB24**"BLOKADA\_
USPESNA\_
SIGNALIZACIJA\_
DB" %FB7 "BLOKADA\_USPESNA\_ SIGNALIZACIJA" ENO -**%DB25**"BLOKADA\_
NEUSPESNA\_
SIGNALIZACIJA\_
DB" "BLOKADA\_NEUSPESNA\_ SIGNALIZACIJA" ENO -Network 3: **%DB26**"IMPLEMENTACIJA\_
DEBLOKADE\_DB" %FB9 "IMPLEMENTACIJA\_DEBLOKADE" - EN %DB27
"DEBLOKADA\_
USPESNA\_
SIGNALIZACIJA\_
DB" %FB10 "DEBLOKADA\_USPESNA\_ SIGNALIZACIJA" ENO -**%DB28**"DEBLOKADA\_
NEUSPESNA\_
SIGNALIZACIJA\_
DB" %FB11 "DEBLOKADA\_NEUSPESNA\_ SIGNALIZACIJA" ENO -

Startup Number 100 Type OB Language LAD pering Automatic  mation  "Complete Restart" Author User-defined ID User-defined ID  Data type Default value Comment  LostRetentive Bool True if retentive data are lost  LostRTC Bool True if date and time are lost  Interpretation of the public of the publi	rtup [O	B100]						
Startup Number 100 Type OB Language LAD  vering Automatic  "Complete Restart" Author User-defined ID  Data type Default value Comment  LostRetentive Bool True if retentive data are lost  LostRTC Bool True if date and time are lost  work 1:	tup Proper eral	ties						
mation  "Complete Restart" On 0.1  User-defined ID  Data type  Default value  Comment  True if retentive data are lost  LostRTC  Bool  True if date and time are lost  work 1:  Move  EN EN EN ENO	ne	Startup	Number 100		Туре	ОВ	Language	LAD
Data type Default value Comment  LostRetentive Bool True if retentive data are lost  LostRTC Bool True if date and time are lost  LostRTC Vork 1:	rmation							
Data type  Default value  Comment  LostRetentive  Bool  True if retentive data are lost  True if date and time are lost  In the stand time are lost  True if the stand time are lost  True if the stand time are lost  True if date and time are lost	e sion	"Complete Restart" 0.1			Comment		Family	
LostRetentive Bool True if retentive data are lost LostRTC Bool True if date and time are lost  ponstant vork 1:  Move EN -	ne	0.1		Default value		Comment		
LostRTC  Bool  True if date and time are lost  postant  vork 1:  Move  EN END  True if date and time are lost	nput		Data type	Deliant value		Comment		
emp onstant  vork 1:  Move EN END END								
vork 1:  Move EN E	emp		ВООІ			True ii date and tii	Tie die lost	
MOVE EN — ENO	onstant							
EN — ENO	vork 1:							
EN — ENO								
e orn — was significant to the s								
age — and a second of the seco				1 — IN ENO	P_KLIK_			
				d OUT1 — BLOK	DAN_ZA_ ADU".CV			

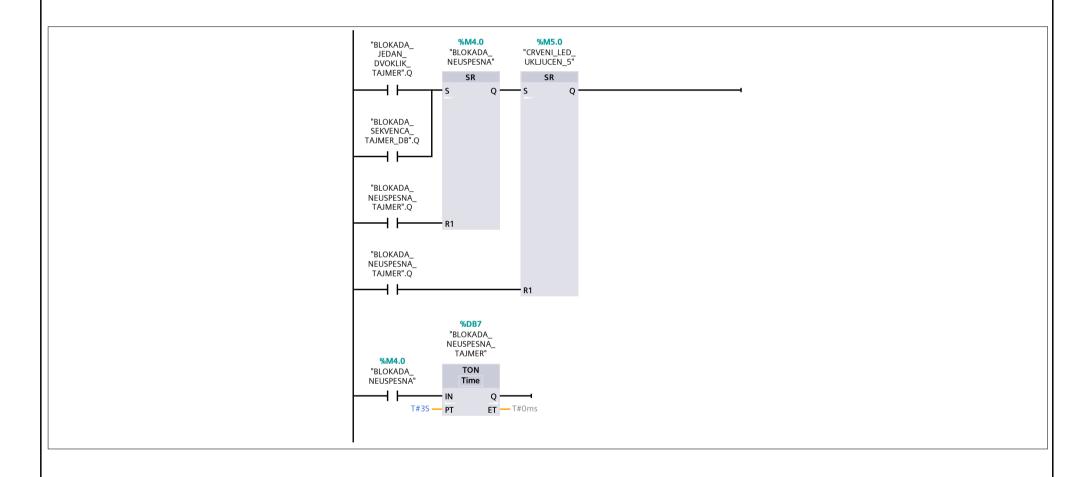
Name AKTIVACIJA_I_DEAKTIVACI- JA_ZABRANE Numbering Automatic  Information  Title Author User-defined ID  Name Data type Default value Retain HMI/OPC UA  Input Output InOut Static Temp Constant  Number   S   S   S   S   S   S    Input   S   S   S	AKTIVACIJA_I		RANE Prope	erties									
Name    Data type   Default value   Retain   Accessible   Mill	General Name		KTIVACI-	Number	5		Туре	FB			Lang	juage	LAD
Information Tittle   Version   0.1   User-defined ID   Comment   Family	Numbering												
Version   O.1   User-defined ID	Information	Automatic											
Name  Data type  Default value  Retain  Accessible from able HMI engi- from neering HMI/OPC UA  Input  Input  Input  Information  Static  Temp  Constant  Network 1:  SM0.0  **WARE_ZOSTITNIL **PREKIDAC**  **WARE_KONTIAKTOR**  **WARE_KONTIAKT	Title						Comment				Fam	ily	
Input Output InOut Static Temp Constant  Network 1:    MAD.0   NAD.0	Version	0.1		User-defined ID									
Output InOut Static Temp Constant  Network 1:    Mo.0	Name		Data type	Default va	ilue	Retain		from HMI/OPC UA	able from HMI/ OPC	HMI engi-	Setpoint		Comment
InOut Static Temp Constant  Network 1:  **M0.0 **VAR_ZASTITNI_ PREKIDAC* **M0.0 **KVAR_ZASTITNI_ PREKIDAC* **M0.0 **M0.0 **KVAR_ZASTITNI_ PREKIDAC* **M0.0													
Static Temp Constant  Network 1:  **M0.0  **WAR_ZASTITNI_ PREKIDAC'  **WAR_													
Temp Constant  Network 1:  **M0.0 **M0.1 *M0.2 *M0.2 *M0.3 *M0.4 *ZABRANA* PREKIDAC* KONTAKTOR* *KVAR_SAFETY *NOTOR_RADL *AUTOMATSKI_ REZIM_NO* R  **M0.0 *KVAR_ZASTITNI_ PREKIDAC* **KVAR_ZASTITNI_ PREKIDAC* **KWO.1 *KVAR_KONTAKTOR*  **M0.1 *KVAR_KONTAKTOR*													
Constant  Network 1:  **M0.0													
**MO.0													
%M0.2 "KVAR_SAFETY_ RELE"						%M0.2	%10.2		KI				

	Totally Integrated Automation Portal		
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# BLOKADA\_NEUSPESNA\_SIGNALIZACIJA [FB8]

BLOKADA_NEUSPESNA_SIGNALIZACIJA Properties										
General										
Name	BLOKADA_NEUSPESNA_SIG- NALIZACIJA	Number	8	Туре	FB	Language	LAD			
Numbering	Automatic									
Information										
Title		Author		Comment		Family				
Version	0.1	User-defined ID								

Name	Data type	Default value	Retain	Accessible from HMI/OPC UA	Writ-Nable I from I HMI/ OPC UA	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
Input									
Output									
InOut									
Static									
Temp									
Constant									



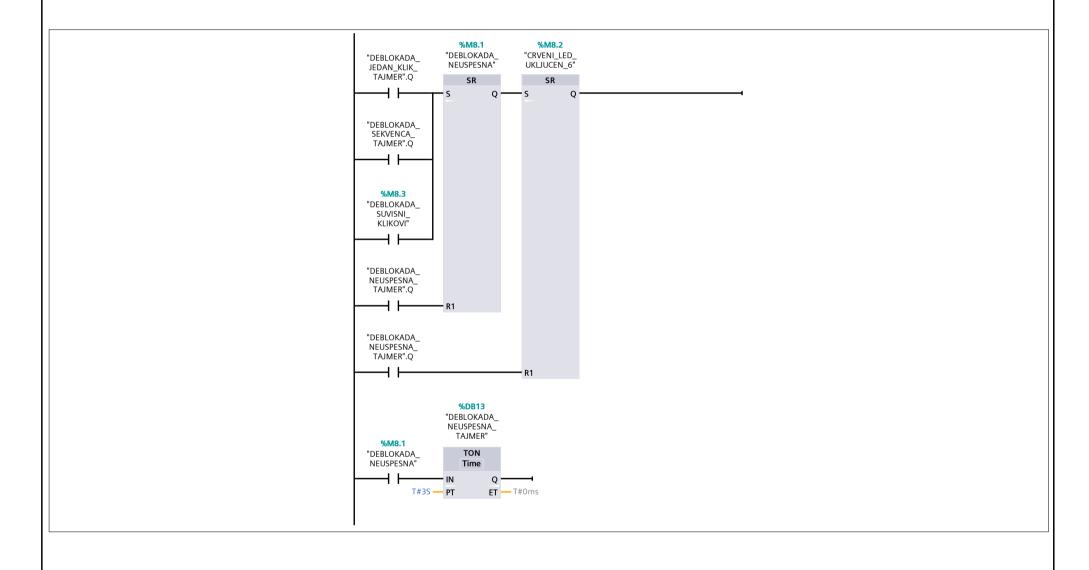
lame	BLOKADA_USPESNA_SIG- NALIZACIJA	Numb	per 7	Ту	<b>pe</b> FB		Lang	uage	LAD
umbering formation tle	Automatic	Autho		Co	mment		Fam	u.	
ersion	0.1		defined ID	Co	mment		Fam	lly	
ame	Data t	/pe	Default value	Retain	Accessible from HMI/OPC UA	Writ- Visible in able HMI engi from neering HMI/ OPC UA	Setpoint -	Supervi- sion	Comment
Input Output									
InOut Static									
Temp									
Constant									

Totally Integrated	
Automation Portal	

# DEBLOKADA\_NEUSPESNA\_SIGNALIZACIJA [FB11]

DEBLOKADA_NEUSPESNA_SIGNALIZACIJA Properties										
General										
Name	DEBLOKADA_NEUSPES- NA_SIGNALIZACIJA	Number	11	Туре	FB	Language	LAD			
Numbering	Automatic									
Information										
Title		Author		Comment		Family				
Version	0.1	User-defined ID								

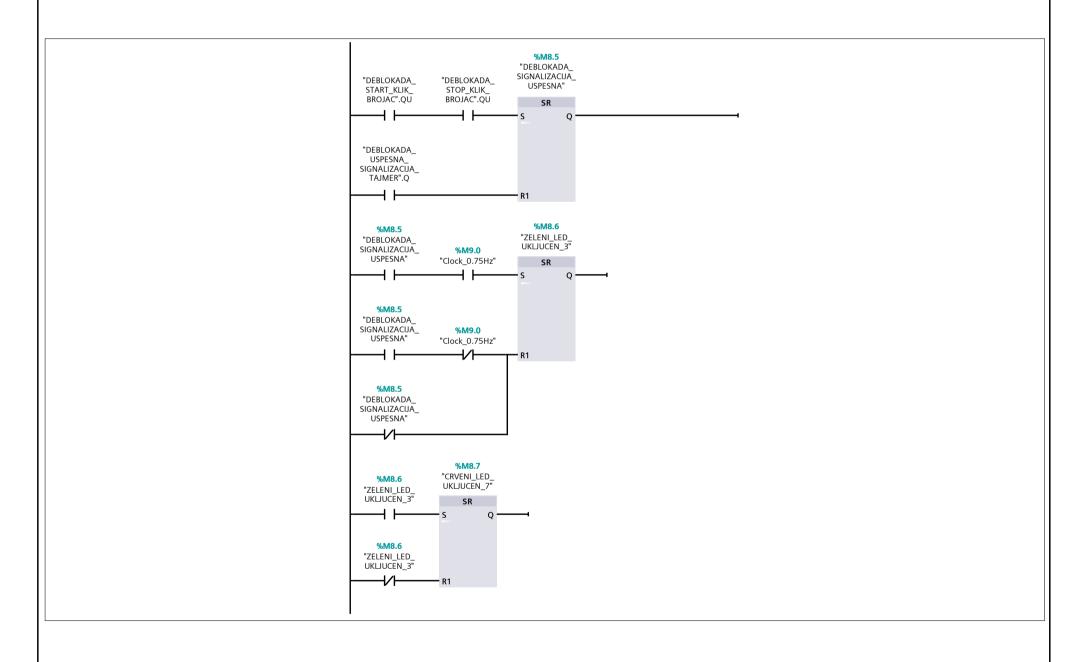
Name	Data type	Default value	Retain	HMI/OPC UA	able	HMI engi- neering	Supervi- sion	Comment
Input								
Output								
InOut								
Static								
Temp								
Constant								



# DEBLOKADA\_USPESNA\_SIGNALIZACIJA [FB10]

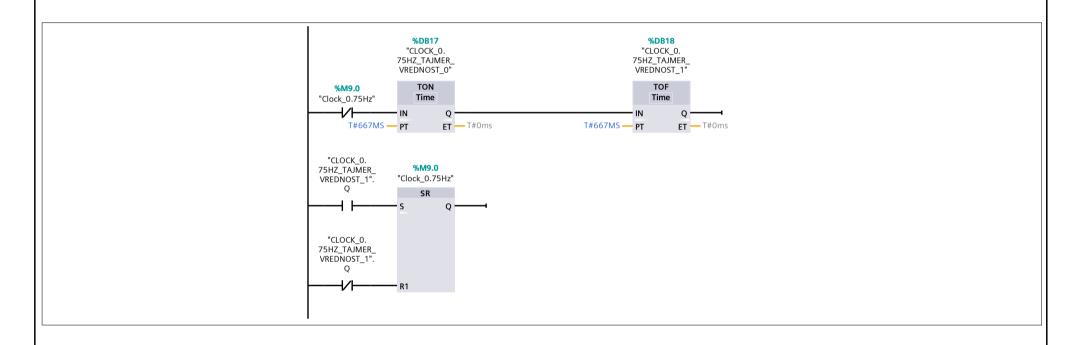
DEBLOKADA_US	PESNA_SIGNALIZACIJA Prop	erties					
General							
Name	DEBLOKADA_USPESNA_SIGNALIZACIJA	Number	10	Туре	FB	Language	LAD
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Default value	Retain	able	HMI engi- neering	Setpoint	Supervi- sion	Comment
Input								
Output								
InOut								
Static								
Temp								
Constant								



Totally Integrated Automation Portal  GENERISANJE_CLOCK_0.75HZ [FB3]  GENERISANJE_CLOCK_0.75HZ Properties  General  Name								
GENERISANJE_CLOCK_0.75HZ Properties  General  Name GENERI- SANJE_CLOCK_0.75HZ								
GENERISANJE_CLOCK_0.75HZ Properties  General  Name GENERI- SANJE_CLOCK_0.75HZ Number 3 Type FB Language LAD  Numbering Automatic  Information  Title Author Comment Family		•						•
Name   GENERI-   SANJE_CLOCK_0.75HZ			[FB3]					
Name GENERI- SANJE_CLOCK_0.75HZ  Numbering Automatic  Information  Title Author Comment FB Language LAD  Comment FB FB Language LAD  Language LAD  Comment FB FB Language LAD  Family	GENERISANJE_	CLOCK_0.75HZ Properties						
SANJE_CLOCK_0.75HZ         Image: Clock of the control of the co	General							
Information Title Author Comment Family	Name		Number	3	Туре	FB	Language	LAD
Information Title Author Comment Family	Numbering	Automatic						
Title Comment Family								
			Author		Comment		Family	
	Version	0.1	User-defined ID				-	

# Name Data type Default value Retain Accessible from HMI/OPC UA HMI/OPC UA Input Output InOut Static Temp Constant



	EMENTACIJA_BLO		er 6			Туре	FB			Lang	uage	LAD
nbering Autor rmation	natic	Autho	or			Comment				Fami	ly	
o.1	-	User-o	defined ID									-
ne	D	ata type	Default valu	ie	Retain		HMI/OPC UA	able from HMI/ OPC	Visible in HMI engi- neering	Setpoint	sion	Comment
nput Dutput								UA				
nOut												
tatic emp												
onstant work 1:												

Totally Integrated **Automation Portal** Network 1: (1.1 / 2.1) **%DB6**"BLOKADA\_
SEKVENCA\_
TAJMER\_DB" **%M0.6**"BLOKADA\_ PROCES\_ OTPOCEO" **%I0.3**"AUTOMATSKI\_ REZIM\_NO" "STOP\_KLIK\_ VALIDAN\_ZA\_ BLOKADU".QU %M4.0 %10.2 TON "BLOKADA\_ NEUSPESNA" "MOTOR\_RADI\_ NO" %10.5 %M0.5 "STOP\_NO" "BLOKADA" Time SR - IN T#8S — PT ET — T#0ms **%M4.0**"BLOKADA\_
NEUSPESNA" %M0.5 "BLOKADA" <del>|</del> | | %DB29 "STOP\_KLIK\_ VALIDAN\_ZA\_ BLOKADU" **%I0.3**"AUTOMATSKI\_ REZIM\_NO" CTU Int %10.5 "STOP\_NO" CU Q **cv** — 0 %10.3 "AUTOMATSKI\_ REZIM\_NO" %I0.3 "AUTOMATSKI\_ %M0.5 %10.1 "START\_NO" REZIM\_NO" "BLOKADA" 2 — PV %DB2 "BLOKADA\_ JEDAN\_ DVOKLIK\_ "BLOKADA\_ TAJMER" JEDAN\_ DVOKLIK\_ BROJAC".CV TON Int ET — T#0ms T#500MS — PT "BLOKADA\_SVI\_ DVOKLICI\_ BROJAC".QU %M0.5 "BLOKADA" SR Q %M8.0 "DEBLOKADA" %DB5

"BLOKADA\_
JEDAN\_
DVOKLIK\_
BROJAC" %DB8 %M0.7 "BLOKADA\_SVI\_ DVOKLICI\_ BROJAC" "BLOKADA\_ JEDAN\_ DVOKLIK\_ BROJAC\_RESET" "STOP\_KLIK\_ VALIDAN\_ZA\_ BLOKADU".QU %10.3 %M4.0 "AUTOMATSKI\_ REZIM\_NO" "BLOKADA\_ NEUSPESNA" CTU CTU %10.5 %M0.5 "STOP\_NO" Int SR Int "BLOKADA" <del>-</del>1/1-<del>-</del>//-- CU - CU Q Q **cv** — 0 **CV** — 0 %M0.7 "BLOKADA\_ JEDAN\_ DVOKLIK\_ BROJAC\_RESET" 2 — PV %M4.0 "BLOKADA\_ NEUSPESNA" %M0.5 "BLOKADA" %M8.0 "DEBLOKADA"  $\dashv$   $\vdash$ "BLOKADA\_ JEDAN\_ DVOKLIK\_ BROJAC".QU **%M4.0**"BLOKADA\_
NEUSPESNA" 3 — PV %M0.5 "BLOKADA" 2.1 ( Page9 - 3)

To	otally Integrated utomation Portal		
Net	work 1: (2.1 / 2.1)	1.1 ( Page9 - 2)	~~~~~~~~ <u>~</u>
	BLUNAUA		
	%M8.0 "DEBLOKADA"		

eneral ame	IMPLEMENTACIJA KADE	_DEBLO- Nu	umber 9	Туре	FB		Lang	uage	LAD
umbering formation tle	Automatic	Au	uthor	Comme	ent		Fami	ly	
ersion	0.1		er-defined ID		,				
me		Data type	Default value	Retain	Accessible Winderschaften Abrum Abru	HMI engi- om neering MI/	Setpoint	Supervi- sion	Comment
Input Output									
InOut									
Static Temp									
Constant									

Totally Integrated **Automation Portal** Network 1: (1.1 / 2.1) %DB9
"DEBLOKADA\_ %M8.4

"BLOKADA\_
USPESNA\_
SIGNALIZACIJA\_ %M5.1 SEKVENCA\_ TAJMER" "DEBLOKADA\_ PROCES\_ OTPOCEO" %M8.1 %10.3 %10.2 "DEBLOKADA\_ NEUSPESNA" "AUTOMATSKI\_ REZIM\_NO" "MOTOR\_RADI\_ NO" TON %M8.0 %10.1 %M0.5 GOTOVA" "START\_NO" "BLOKADA" "DEBLOKADA" Time SR Q T#6S — PT ET — T#0ms %M8.1 "DEBLOKADA\_ NEUSPESNA" "DEBLOKADA\_ "DEBLOKADA\_ START\_KLIK\_ BROJAC".QU STOP\_KLIK\_ BROJAC".QU **%DB10**"DEBLOKADA\_
START\_KLIK\_
BROJAC" %M8.4 "BLOKADA\_ USPESNA\_ SIGNALIZACIJA\_ GOTOVA" **%M8.1**"DEBLOKADA\_ NEUSPESNA" CTU **%I0.1** %M0.5 %M8.0 "START\_NO" "BLOKADA" "DEBLOKADA" Int CU Q **cv** — 0 %M8.0 "DEBLOKADA" PV **%M8.1**"DEBLOKADA\_ NEUSPESNA" %10.3 "AUTOMATSKI\_ REZIM\_NO" %DB11
"DEBLOKADA\_ STOP\_KLIK\_ BROJAC" %M5.1 **%M8.1**"DEBLOKADA\_ NEUSPESNA" "DEBLOKADA\_ CTU PROCES\_ %10.5 %M0.5 %M8.0 OTPOCEO" "STOP\_NO" "BLOKADA" "DEBLOKADA" Int CU **cv** — 0 %M8.0 "DEBLOKADA" 4 — PV %M8.1 "DEBLOKADA\_ NEUSPESNA" %10.3 "AUTOMATSKI\_ REZIM\_NO" %M8.3 "DEBLOKADA\_ SUVISNI\_ KLIKOVI" %M8.1 "DEBLOKADA\_ NEUSPESNA" RS Q "DEBLOKADA\_ START\_KLIK\_ BROJAC".CV "DEBLOKADA\_ STOP\_KLIK\_ BROJAC".QU -I NOT I Int "DEBLOKADA\_ STOP\_KLIK\_ BROJAC".CV "DEBLOKADA\_ START\_KLIK\_ BROJAC".CV ADD Auto (Int) Int "DEBLOKADA\_ %MW6 "INKREMENTIRAN\_ %MW6 STOP\_KLIK\_ BROJAC".CV \_\_ "INKREMENTIRAN\_ DEBLOKADA\_ STOP\_KLIK\_ BROJAC" IN1 DEBLOKADA\_ STOP\_KLIK\_ BROJAC" 1 — IN2 🛔 OUT %DB12 "DEBLOKADA\_ JEDAN\_KLIK\_ TAJMER" "DEBLOKADA\_ "DEBLOKADA\_ "DEBLOKADA\_ START\_KLIK\_ BROJAC".CV ADD Auto (Int) START\_KLIK\_ BROJAC".QU STOP\_KLIK\_ BROJAC".QU TON Time 1 / 1 / 2.1 ( Page 10 - 3)

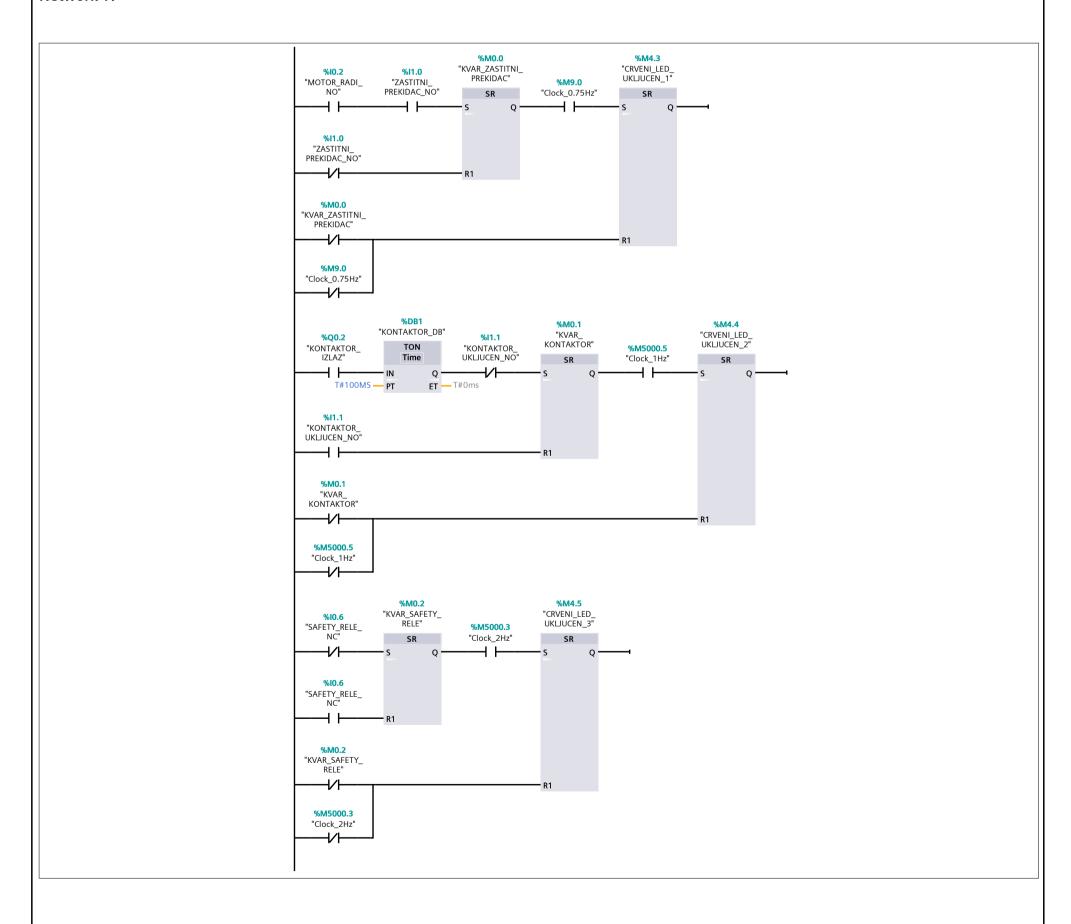
Totally Integrated Automation Portal	
Network 1: (2.1 / 2.1) 1.1 ( Page 10 - 2)	
"DEBLOKADA_ STOP_KLIK_ BROJAC".CV IN1  1 IN2 IN	
"DEBLOKADA_ USPESNA_ SIGNALIZACIJA_ TAJMER"  "DEBLOKADA_ "DEBLOKADA_ START_KLIK_ STOP_KLIK_ BROJAC".QU BROJAC".QU IIM Q TIme SR S Q THOMS  "MM0.5" "BLOKADA" R1	

Totally Integrated
<b>Automation Portal</b>

# OBRADA\_KVAROVA [FB1]

OBRADA_KVARO	VA Properties						
General							
Name	OBRADA_KVAROVA	Number	1	Type	FB	Language	LAD
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Default value	Retain	able	HMI engi- neering	Setpoint	Supervi- sion	Comment
Input								
Output								
InOut								
Static								
Тетр								
Constant								

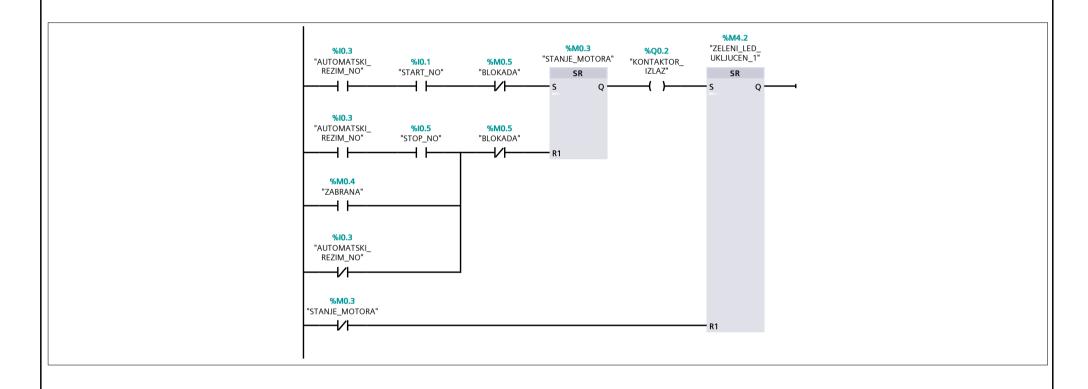


Totally Integrated Automation Portal
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# POKRETANJE\_I\_ZAUSTAVLJANJE\_MOTORA [FB2]

POKRETANJE_I_ZAUSTAVLJANJE_MOTORA Properties									
General	General								
Name	POKRETANJE_I_ZAUSTAVL- JANJE_MOTORA	Number	2	Туре	FB	Language	LAD		
Numbering	Automatic								
Information	ormation								
Title		Author		Comment		Family			
Version	0.1	User-defined ID							

Name	Data type	Default value	Accessible from HMI/OPC UA	able	HMI engi- neering	Supervi- sion	Comment
Input							
Output							
InOut							
Static							
Temp							
Constant							



Totally Integ											
UKLJUCIVA	ANJE I ISKLJU	JCIVANJ	IE LED LAM	IPICA [FB4]							
UKLJUCIVANJE_I_ISKLJUCIVANJE_LED_LAMPICA [FB4]  UKLJUCIVANJE_I_ISKLJUCIVANJE_LED_LAMPICA Properties  General											
Name	UKLJUCIVANJE_I_I VANJE_LED_LAMP		Number	4		Туре	FB		Lang	uage	LAD
Numbering	Automatic			1							
Information											
Title			Author			Comment			Fami	ly	
Version	0.1		User-defined ID								
Name		Data type	e Default va	lue	Retain		Accessible	Writ- Visible in		Supervi-	Comment

# Name Data type Default value Retain Accessible from HMI/OPC UA HMI/OPC UA Input Output InOut Static Temp Constant

```
%M4.2
"ZELENI_LED_
UKLJUCEN_1"
                                                                                                                                                          %Q0.0
"ZELENI_LED"
                                                                                                                                                                 \prec \succ
%M4.6
"ZELENI_LED_
UKLJUCEN_2"
        \dashv \vdash
%M8.6
"ZELENI_LED_
UKLJUCEN_3"
        \dashv \vdash
%M4.3
"CRVENI_LED_
UKLJUCEN_1"
                                                                                                                                                         %Q0.1
"CRVENI_LED"
%M4.4
"CRVENI_LED_
UKLJUCEN_2"
       \dashv \vdash
%M4.5
"CRVENI_LED_
UKLJUCEN_3"
%M4.7
"CRVENI_LED_
UKLJUCEN_4"
%M5.0
"CRVENI_LED_
UKLJUCEN_5"
         \vdash
%M8.2
"CRVENI_LED_
UKLJUCEN_6"
%M8.7
"CRVENI_LED_
UKLJUCEN_7"
```