

Project1

Program blocks

fbFeedingControls [FB3]

fbFeedingControls Properties

General

Name	fbFeedingControls	Number	3	Type	FB
Language	SCL	Numbering	Automatic		

Information

Title		Author		Comment	
Family		Version	0.1	User-defined ID	

Name	Data type	Default value	Retain	Access-ible from HMI/OP C UA/Web API	Wri-ta-ble from HM I/O PC UA/ Web API	Visible in HMI engineering	Set-point	Super- vision	Comment
▼ Input									
X1	Bool	false	Non-retain	False	False	False	False		Run / Stop Process
X2	Bool	false	Non-retain	False	False	False	False		Emergency stop
X3	Bool	false	Non-retain	False	False	False	False		Automatic/Manual switch
▼ Output									
Y1	Bool	false	Non-retain	False	False	False	False		Run Process - Indicator light
Y2	Bool	false	Non-retain	False	False	False	False		Emergency stop-Indicator light
Y3	Bool	false	Non-retain	False	False	False	False		Stop Process - Indicator light
InOut									
Static									
▼ Temp									
ttNow	Bool								
trScratch	Bool								
ttTime	Bool								
tbX1	Bool								
tbX3	Bool								
tbX2	Bool								
tbY1	Bool								
tbY2	Bool								
tbY3	Bool								
Constant									

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```
0005 =====
0006 Programmets funksjonalitet:
0007 Lysstyring basert på input fra KI-mikrokontroller
0008 -----
0009 *)
0010 // Inputs
0011 #X1 := "dbCommunication".sbRunProcess;
0012 #X2 := "dbCommunication".sbEMGStop;
0013 #X3 := "S1";
0014 // Populate temporaries
0015 #tbY1 := FALSE;
0016 #tbY2 := FALSE;
0017 #tbY3 := TRUE;
0018 #tbX1 := #X1;
0019 #tbX2 := #X2;
0020 #tbX3 := #X3;
0021 // Dersom system står i automatisk så styrer mikrokontroller lys
0022 IF #tbX3 THEN
0023   IF #tbX1 THEN
0024     #tbY1 := TRUE;
0025     #tbY2 := FALSE;
0026     #tbY3 := FALSE;
0027   END_IF;
0028   IF #tbX1 = FALSE THEN
0029     #tbY1 := FALSE;
0030     #tbY2 := FALSE;
0031     #tbY3 := TRUE;
0032   END_IF;
0033 // Mulighet for rødt lys fra mikrokontroller
0034 IF #tbX2 THEN
0035   #tbY1 := FALSE;
0036   #tbY2 := TRUE;
0037   #tbY3 := FALSE;
0038 END_IF;
0039 // hvis systemet er i manuell setter rødt lys, og KI-mikrokontroller blir ig-
0040 norert.
0041 IF #tbX3 = FALSE THEN
0042   #tbY1 := FALSE;
0043   #tbY2 := TRUE;
0044   #tbY3 := FALSE;
0045 END_IF;
0046 // Skriver til utganger
0047 #Y1 := #tbY1;
0048 #Y2 := #tbY2;
```

0061 #Y3
0062

:= #tbY3;

Symbol	Address	Type	Comment
"dbCommunication".sbEMGStop	%DB2.DBX0.1	Bool	
"dbCommunication".sbRunProcess	%DB2.DBX0.0	Bool	
"S1"	%I10.1	Bool	
#tbX1		Bool	
#tbX2		Bool	
#tbX3		Bool	
#tbY1		Bool	
#tbY2		Bool	
#tbY3		Bool	
#X1		Bool	Run / Stop Process
#X2		Bool	Emergency stop
#X3		Bool	Automatic/Manual switch
#Y1		Bool	Run Process - Indicator light
#Y2		Bool	Emergency stop- Indicator light
#Y3		Bool	Stop Process - Indicator light

Program blocks

prgMain [FC1]

prgMain Properties

General

Name	prgMain	Number	1	Type	FC
Language	SCL	Numbering	Automatic		

Information

Title		Author		Comment	
Family		Version	0.1	User-defined ID	

Name	Data type	Default value	Comment
Input			
Output			
InOut			
Temp			
Constant			
▼ Return			
prgMain	Void		

```

0001 // Starting programs
0002
0003 "prgFeedingControl" ();
0004

```

Symbol	Address	Type	Comment
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Program blocks

prgFeedingControl [FC3]

prgFeedingControl Properties

General

Name	prgFeedingControl	Number	3	Type	FC
Language	SCL	Numbering	Automatic		

Information

Title		Author		Comment	
Family		Version	0.1	User-defined ID	

Name	Data type	Default value	Comment
Input			
Output			
InOut			
Temp			
Constant			
▼ Return			
prgFeedingControl	Void		

```

0001 "idbFeedingControls" ();
0002
0003 // Setting tags
0004 "Y1" := "idbFeedingControls".Y1;
0005 "Y2" := "idbFeedingControls".Y2;
0006 "Y3" := "idbFeedingControls".Y3;
0007 "S1" := "idbFeedingControls".X3;
0008

```

Symbol	Address	Type	Comment
"idbFeedingControls".X3		Bool	Automatic/Manual switch
"idbFeedingControls".Y1		Bool	Run Process - Indicator light
"idbFeedingControls".Y2		Bool	Emergency stop- Indicator light
"idbFeedingControls".Y3		Bool	Stop Process - Indicator light
"S1"	%I10.1	Bool	
"Y1"	%Q4.0	Bool	
"Y2"	%Q4.1	Bool	
"Y3"	%Q4.2	Bool	

Program blocks

dbCommunication [DB2]

dbCommunication Properties

General

Name	dbCommunication	Number	2	Type	DB
Language	DB	Numbering	Automatic		

Information

Title		Author		Comment	
Family		Version	0.1	User-defined ID	

Name	Data type	Offset	Start value	Retain	Access-ible from HMI/O PC UA/Web API	Wri-ta-ble from HMI engineering	Visi-ble in HMI	Set-point	Super-vision	Comment
▼ Static										
sbRunProcess	Bool	0.0	false	False	True	True	True	False		
sbEMGStop	Bool	0.1	false	False	True	True	True	False		

Program blocks

Main [OB1]

Main Properties

General

Name	Main	Number	1	Type	OB
Language	SCL	Numbering	Automatic		

Information

Title	"Main Program Sweep (Cycle)"	Author		Comment	
Family		Version	0.1	User-defined ID	

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

```
0001 "prgMain" ();
```

Symbol	Address	Type	Comment
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