

Conveyor

PLC_1 [CPU 315-2 PN/DP]

PLC_1					
Exchange compact menu					
Name	PLC_1	Rack	0		
Slot	2	Short designation	CPU 315-2 PN/DP		
Order number	6ES7 315-2EH13-0AB0	Firmware version	V2.6		
Isochronous mode interrupts					
OB number	Priority	Distributed I/O	Process image partition(s)	Delay time (ms)	Automatic setting
OB 61:	25	0		0.000	True
Isochronous mode interrupts\OB 61					
Application cycle (ms):	0ms	Time lag:	0.000ms		
Automatic setting	True	Distributed I/O:	0		
Isochronous mode interrupts\OB 61\Process image partition					
PIP:					

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 2 - 1

Conveyor / PLC_1 [CPU 315-2 PN/DP] / Program blocks

Main [OB1]

Main Properties

General

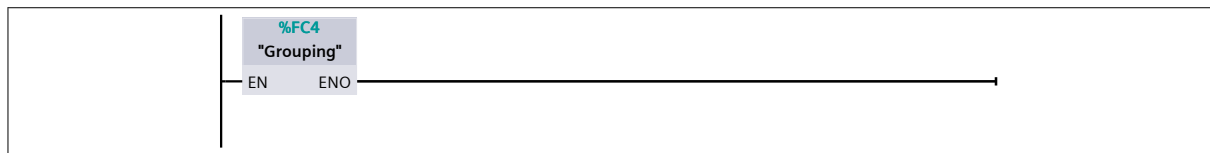
Name	Main	Number	1
Type	OB	Language	LAD
Numbering	automatic		

Information

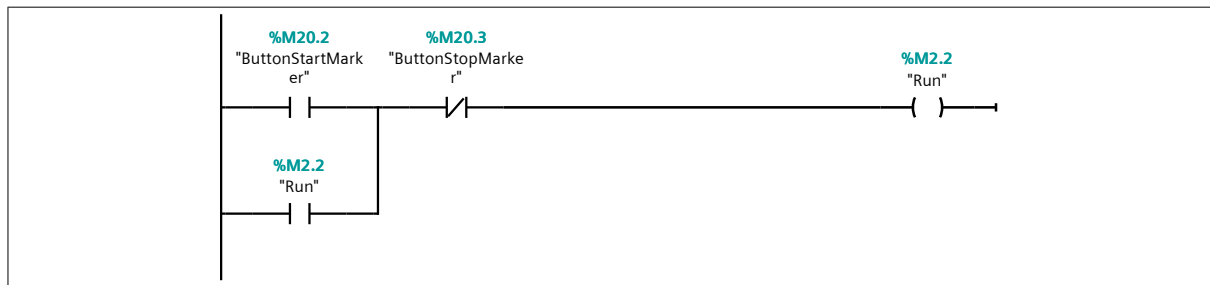
Title	"Main Program Sweep (Cycle)"	Author	
Comment		Family	
Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Temp		
OB1_EV_CLASS	Byte	
OB1_SCAN_1	Byte	
OB1_PRIORITY	Byte	
OB1_OB_NUMBR	Byte	
OB1_RESERVED_1	Byte	
OB1_RESERVED_2	Byte	
OB1_PREV_CYCLE	Int	
OB1_MIN_CYCLE	Int	
OB1_MAX_CYCLE	Int	
OB1_DATE_TIME	Date_And_Time	
Constant		

Network 1:

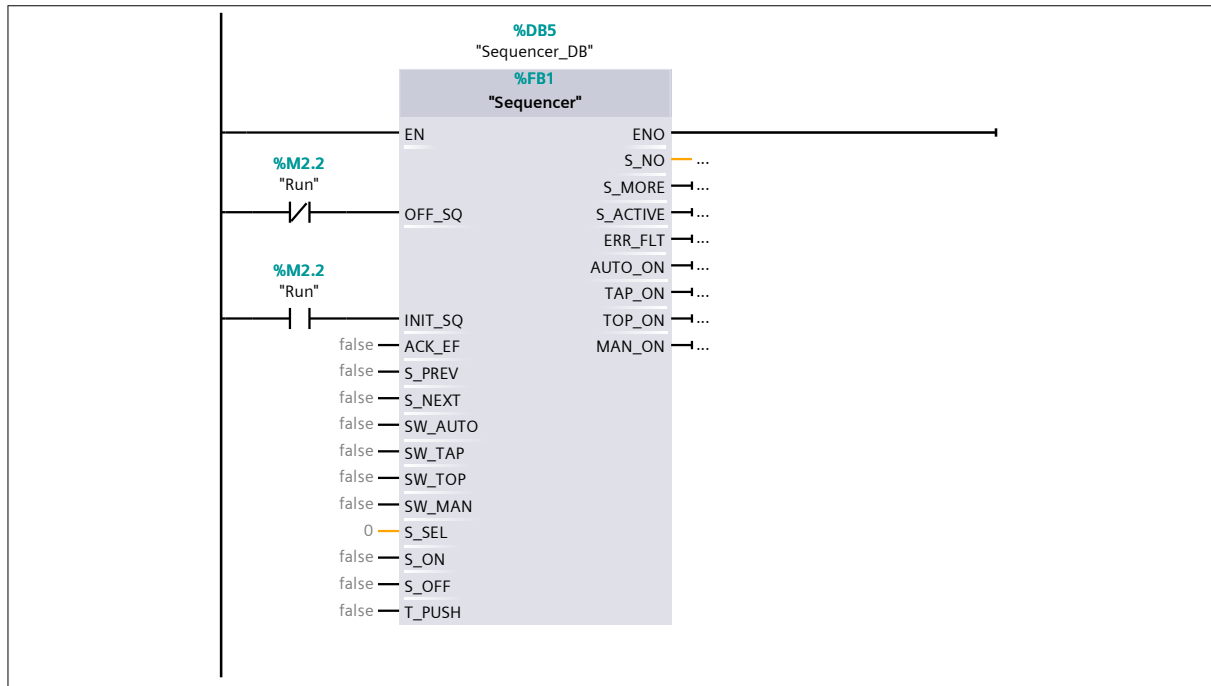


Network 2:



Owner	Project name	Conveyor	Date	5/7/2018
	Project path	C:\Conveyor		
Operator	Location			
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 3 - 1	

Network 3:



Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Description 1st	Location		
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 3 - 2	

Conveyor / PLC_1 [CPU 315-2 PN/DP] / Program blocks

ON_OFF [FC1]

ON_OFF Properties

General

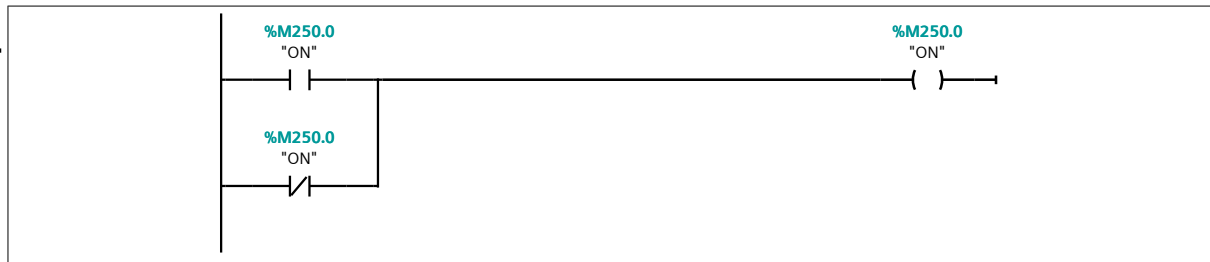
Name	ON_OFF	Number	1
Type	FC	Language	LAD
Numbering	automatic		

Information

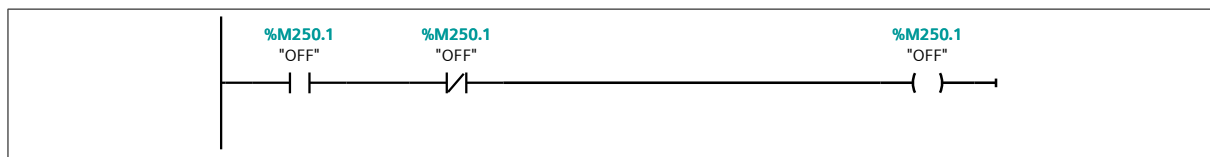
Title		Author	
Comment		Family	
Version	0.1	User-defined ID	

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

Network 1: Always 1



Network 2: Always 0



Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 4 - 1	

Conveyor / PLC_1 [CPU 315-2 PN/DP] / Program blocks

Markers [FC2]

Markers Properties

General

Name	Markers	Number	2
Type	FC	Language	LAD
Numbering	automatic		

Information

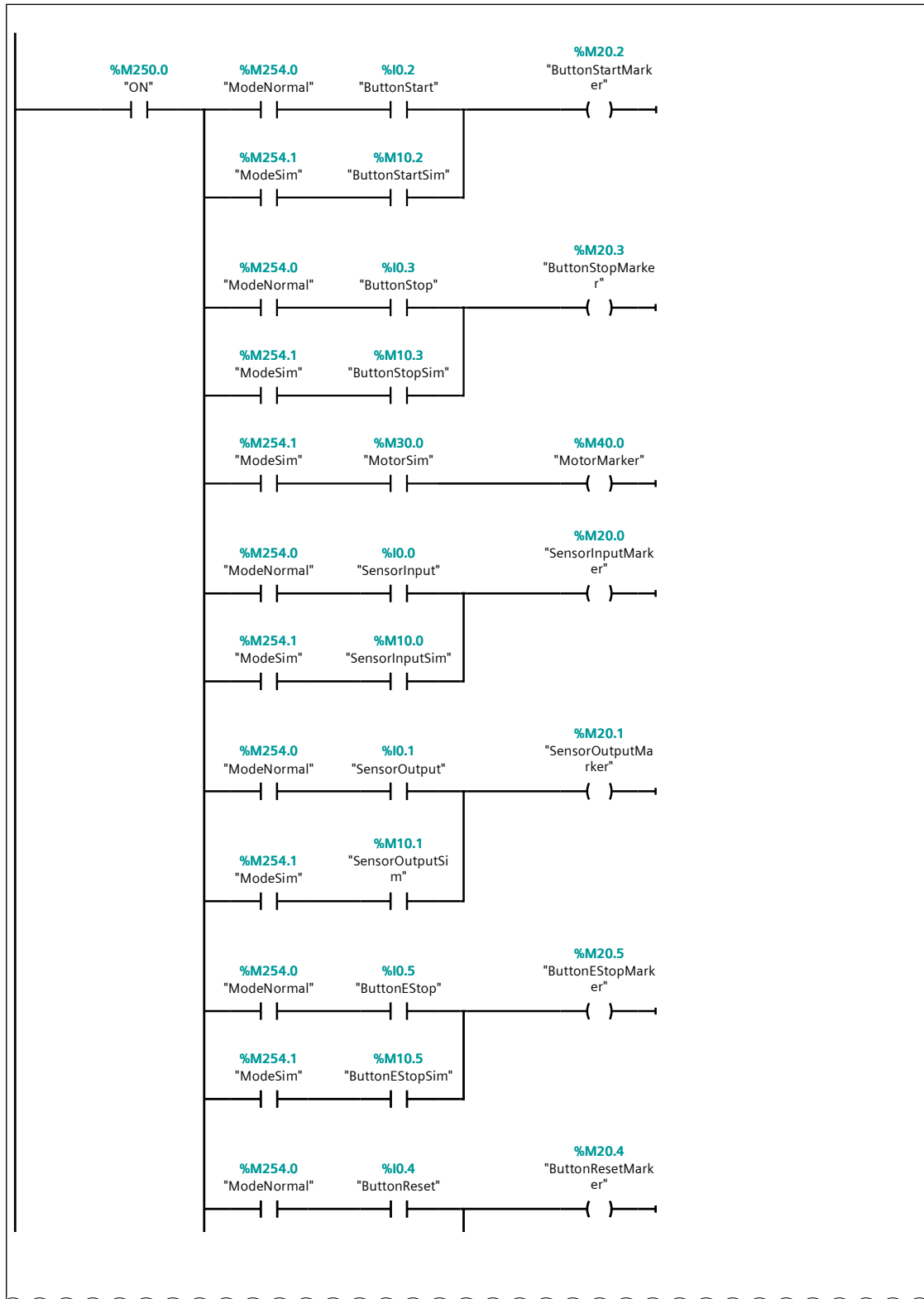
Title		Author	
Comment		Family	
Version	0.1	User-defined ID	

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

Network 1: Markers depends on working mode

Owner	Projectname Conveyor	Date 5/7/2018
Operator	Project path C:\Conveyor	
	Location	
Designed By	Description 1st	
Checked By	Description 2nd	Language en-US
Approved By	1st View	Version
		Sheet 5 - 1

Network 1: Markers depends on working mode (1.1 / 2.1)



2.1 (Page5 - 3)

Owner	Project name	Conveyor	Date	5/7/2018
	Project path	C:\Conveyor		
Operator	Location			
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 5 - 2	

1

2

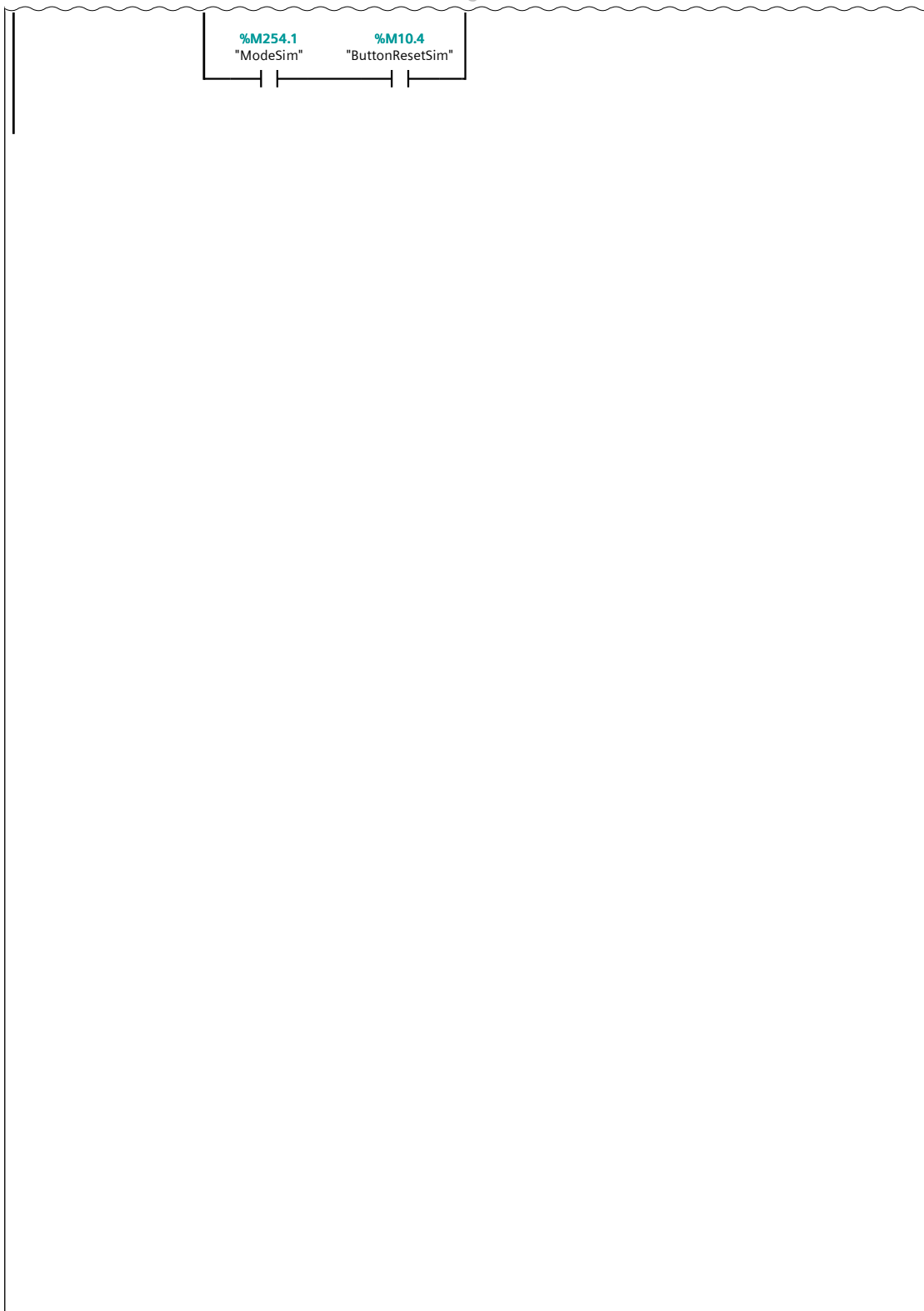
3

4

A

Network 1: Markers depends on working mode (2.1 / 2.1)

1.1 (Page5 - 2)



B

C

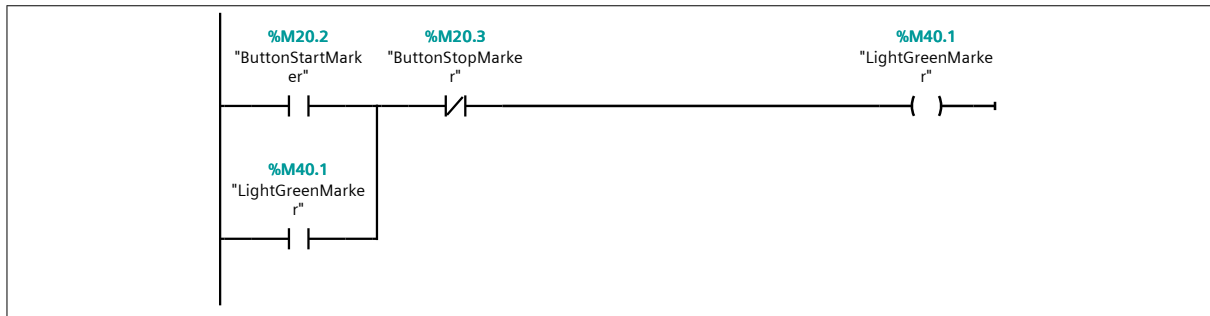
D

E

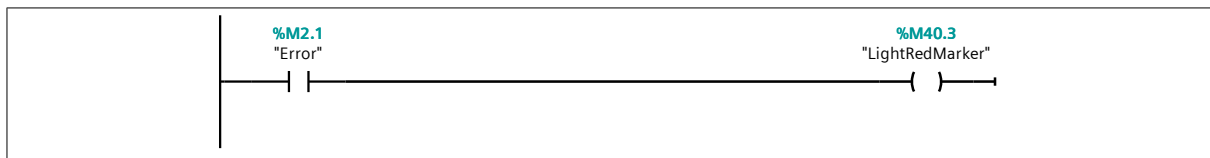
F

Owner	Projectname Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 5 - 3

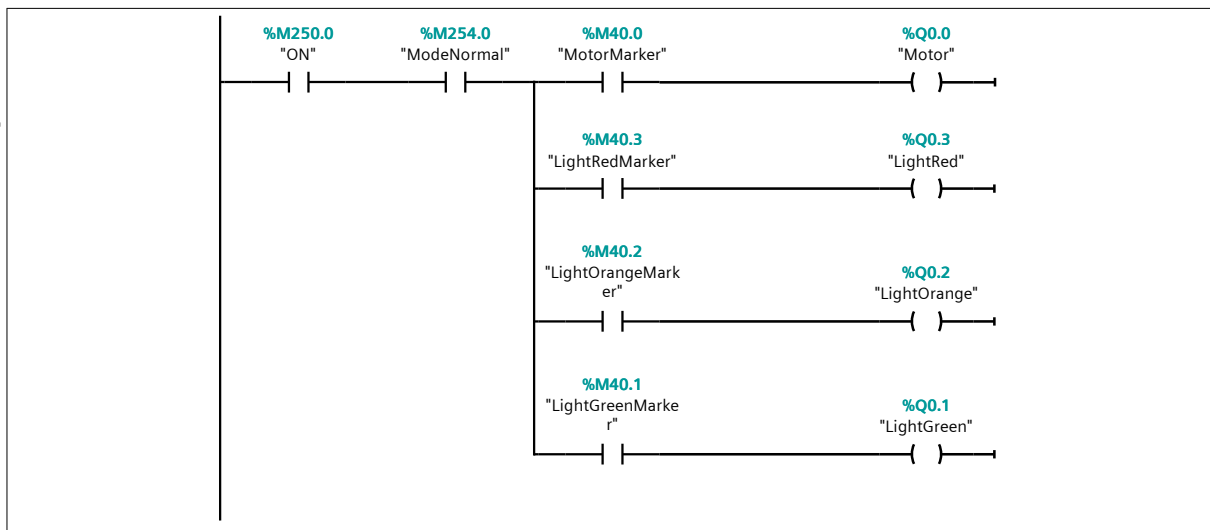
Network 2: Green light when normal work - working after START, stops after STOP



Network 3: when error



Network 4: Outputs if working mode Normal



Network 5:

Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path C:\Conveyor		
	Location			
Designed By	Description 1st			
Checked By	Description 2nd		Language	en-US
Approved By	1st View		Version	Sheet 5 - 4

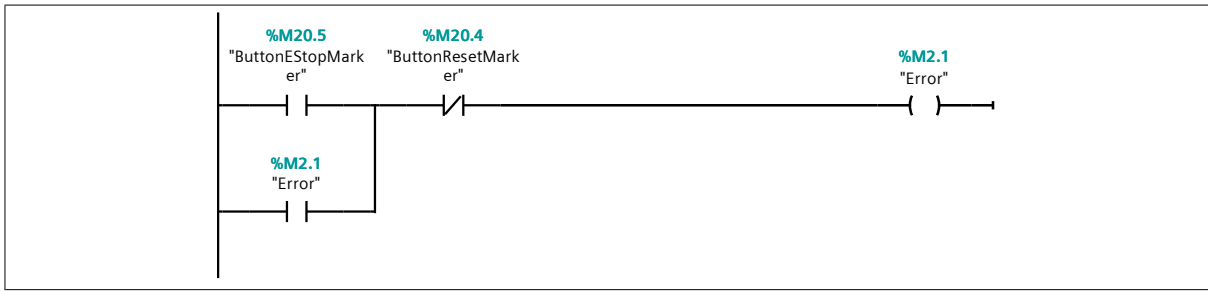
1

2

3

4

A



B

C

D

E

F

Owner	Project name Conveyor	Date 5/7/2018
Operator	Project path C:\Conveyor	
Designed By	Location	
Checked By	Description 1st	Language en-US
Approved By	Description 2nd	Version
1st View		Sheet 5 - 5

Conveyor / PLC_1 [CPU 315-2 PN/DP] / Program blocks

Working_mode [FC3]

Working_mode Properties

General

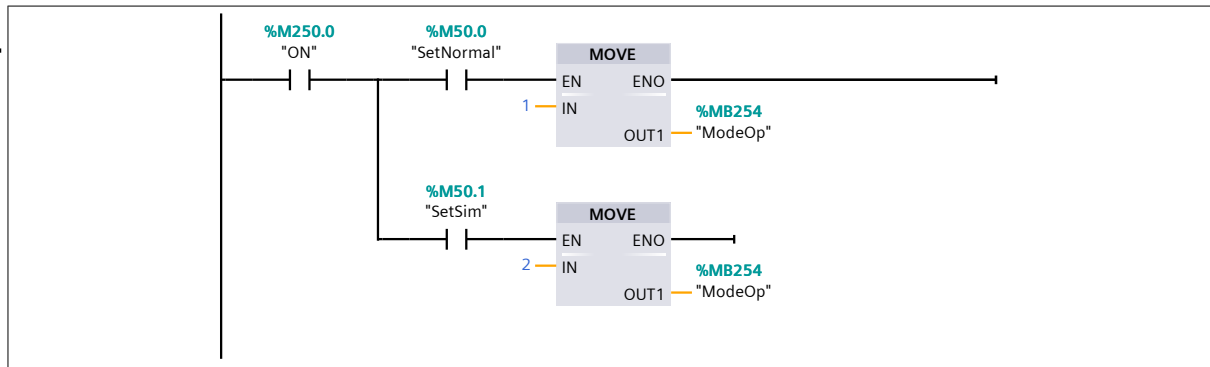
Name	Working_mode	Number	3
Type	FC	Language	LAD
Numbering	automatic		

Information

Title		Author	
Comment		Family	
Version	0.1	User-defined ID	

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

Network 1: Sets the working mode



Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Description 1st	Location		
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 6 - 1	

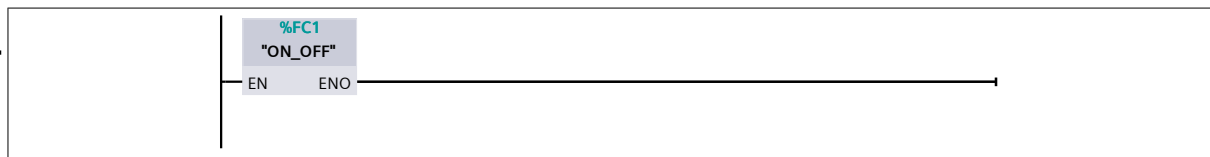
Conveyor / PLC_1 [CPU 315-2 PN/DP] / Program blocks

Grouping [FC4]

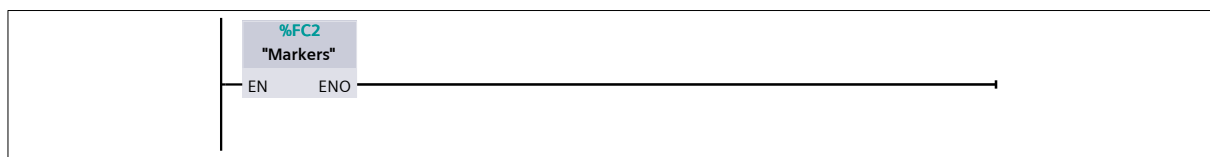
Grouping Properties			
General			
Name	Grouping	Number	4
Type	FC	Language	LAD
Numbering	automatic		
Information			
Title		Author	
Comment		Family	
Version	0.1	User-defined ID	

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

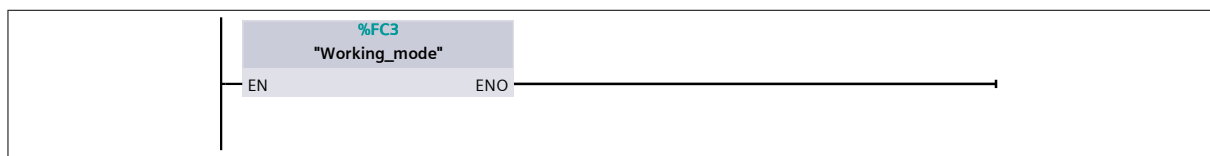
Network 1:



Network 2:



Network 3:



Owner	Project name	Conveyor		Date	5/7/2018
	Operator	Project path	C:\Conveyor		
Designed By		Description 1st			
Checked By	Description 2nd	Language	en-US		
Approved By	1st View	Version	Sheet 7 - 1		

1

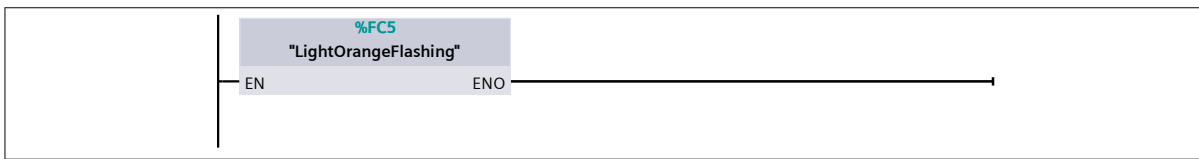
2

3

4

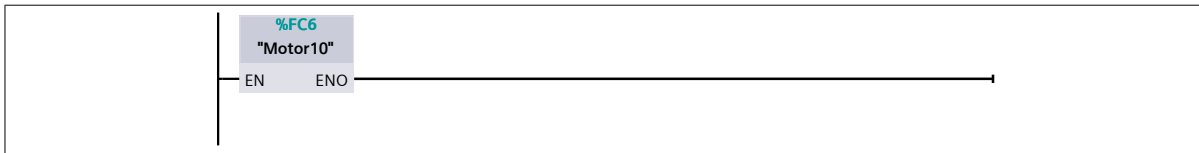
A

Network 4:



B

Network 5:



C

D

E

F

Owner	Project name Conveyor	Date 5/7/2018
Operator	Project path C:\Conveyor	
Designed By	Location	
Checked By	Description 1st	Language en-US
Approved By	Description 2nd	Version
	1st View	Sheet 7 - 2

Conveyor / PLC_1 [CPU 315-2 PN/DP] / Program blocks

LightOrangeFlashing [FC5]

LightOrangeFlashing Properties

General

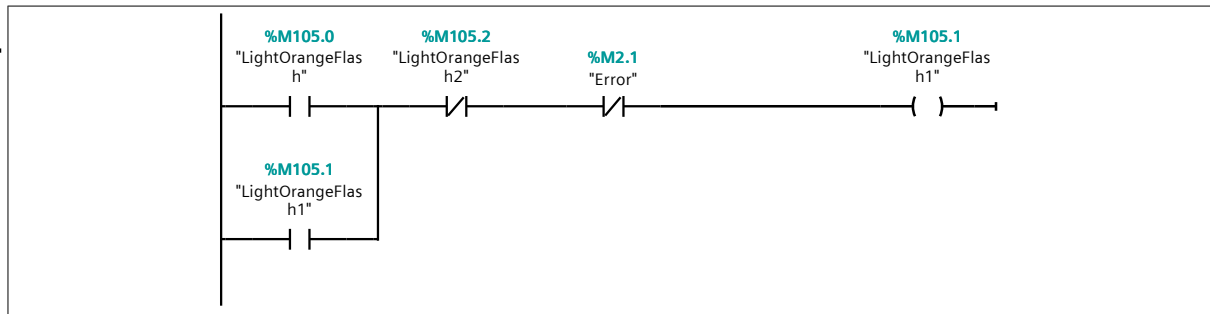
Name	LightOrangeFlashing	Number	5
Type	FC	Language	LAD
Numbering	automatic		

Information

Title	Flashing orange light	Author	
Comment		Family	
Version	0.1	User-defined ID	

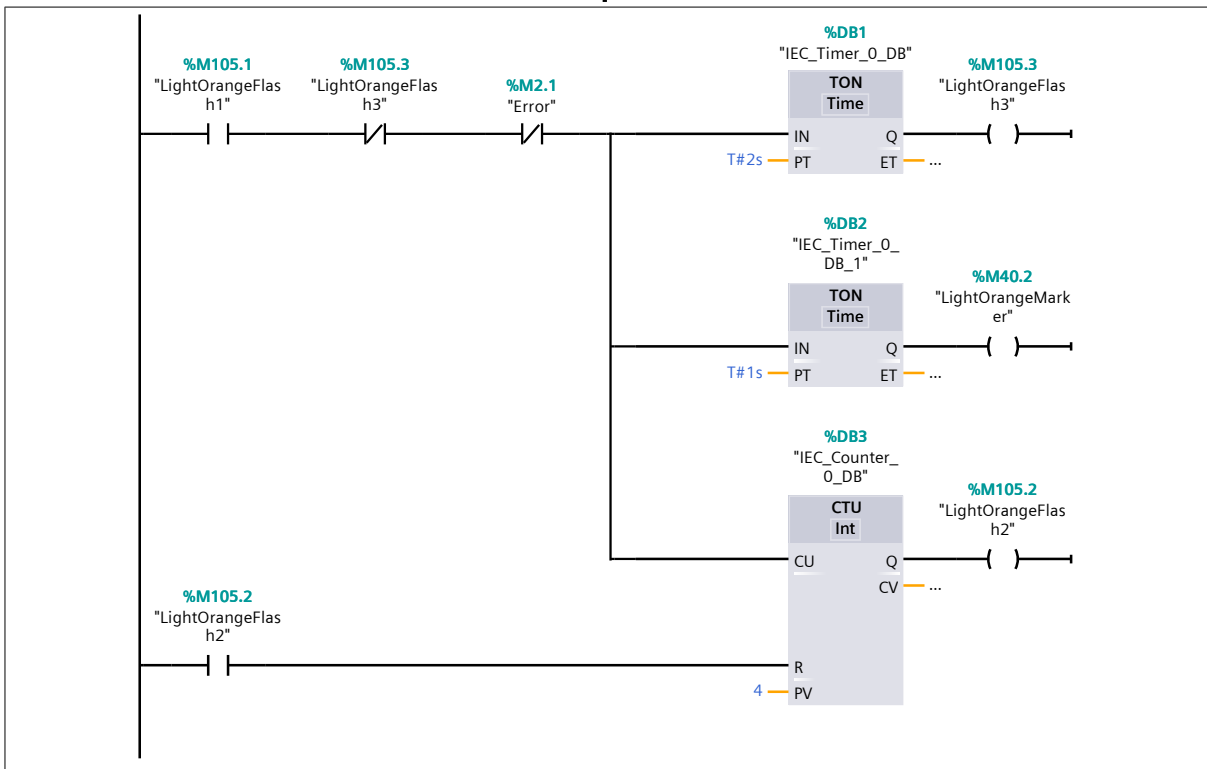
Name	Data type	Default value
Input		
Output		
InOut		
Temp		
Constant		
▼ Return		
LightOrangeFlashing	Void	

Network 1:



Network 2: Flashing 3times with set time

Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 8 - 1	



Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path C:\Conveyor		
Designed By	Location			
Checked By	Description 1st		Language en-US	
Approved By	Description 2nd		Version	Sheet 8 - 2
	1st View			

Conveyor / PLC_1 [CPU 315-2 PN/DP] / Program blocks

Motor10 [FC6]

Motor10 Properties

General

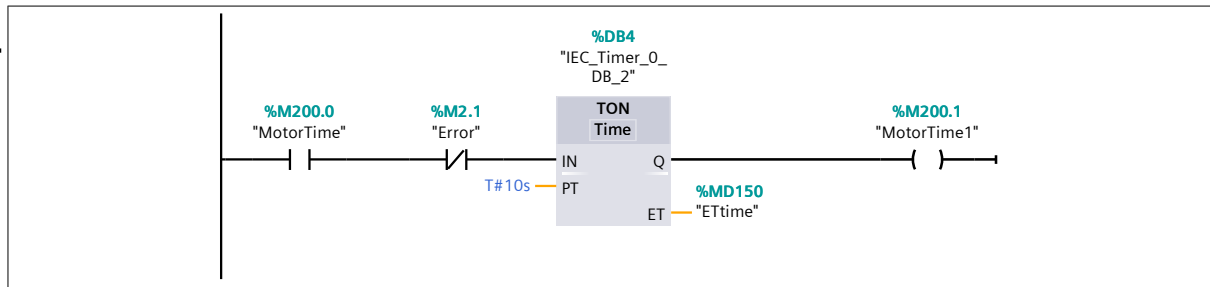
Name	Motor10	Number	6
Type	FC	Language	LAD
Numbering	automatic		

Information

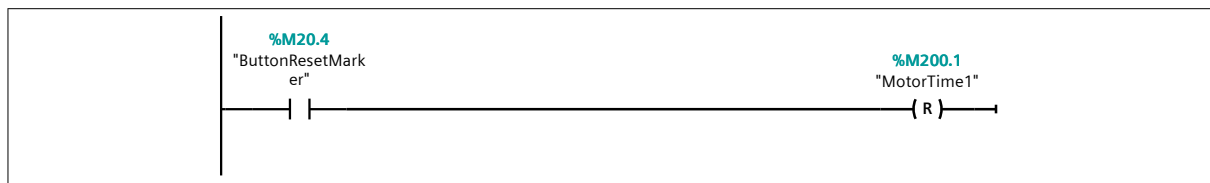
Title	Time working for motor	Author	
Comment		Family	
Version	0.1	User-defined ID	

Name	Data type	Default value
Input		
Output		
InOut		
Temp		
Constant		
Return		
Motor10	Void	

Network 1: make error



Network 2: Reset variable



Owner	Projectname	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Description 1st	Location		
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 9 - 1	

Conveyor / PLC_1 [CPU 315-2 PN/DP] / Program blocks

Sequencer [FB1]

Sequencer Properties

General

Name	Sequencer	Number	1
Type	FB	Language	GRAPH
Numbering	automatic		

Information

Title		Author	
Comment		Family	
Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Input		
OFF_SQ	Bool	false
INIT_SQ	Bool	false
ACK_EF	Bool	false
S_PREV	Bool	false
S_NEXT	Bool	false
SW_AUTO	Bool	false
SW_TAP	Bool	false
SW_TOP	Bool	false
SW_MAN	Bool	false
S_SEL	Int	0
S_ON	Bool	false
S_OFF	Bool	false
T_PUSH	Bool	false
▼ Output		
S_NO	Int	0
S_MORE	Bool	false
S_ACTIVE	Bool	false
ERR_FLT	Bool	false
AUTO_ON	Bool	false
TAP_ON	Bool	false
TOP_ON	Bool	false
MAN_ON	Bool	false
InOut		
▼ Static		
▼ Trans1		
GraphTransition		
TV	Bool	false
TT	Bool	false
TS	Bool	false
CF_IV	Bool	true
TNO	Int	1
CRIT	DWord	16#0

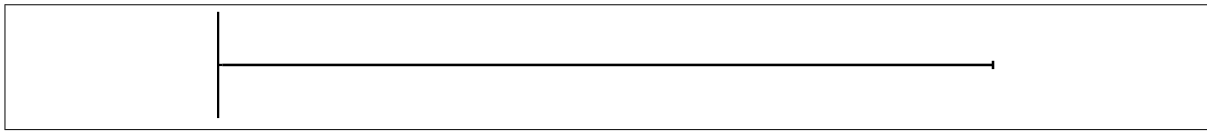
Owner	Project name Conveyor	Date 5/7/2018
Operator	Project path C:\Conveyor	
	Location	
Designed By	Description 1st	
Checked By	Description 2nd	Language en-US
Approved By	1st View	Version Sheet 10 - 1

Name	Data type	Default value
SQ_BUSY	Bool	false
SA_BUSY	Bool	false
AS_SIG	Bool	false
Temp		
Constant		

Alarms			
Enable alarms	True	Acknowledge interlock alarms	True
Interlock template	GRAPH7_INTERLOCK_ERROR<CPU name><FB name><FB number><instance DB name><instance DB number><step name><step number><step-specific text>	Acknowledge supervision alarms	True
Supervision template	GRAPH7_SUPERVISION_FAULT<CPU name><FB name><FB number><instance DB name><instance DB number><step name><step number><step-specific text>		

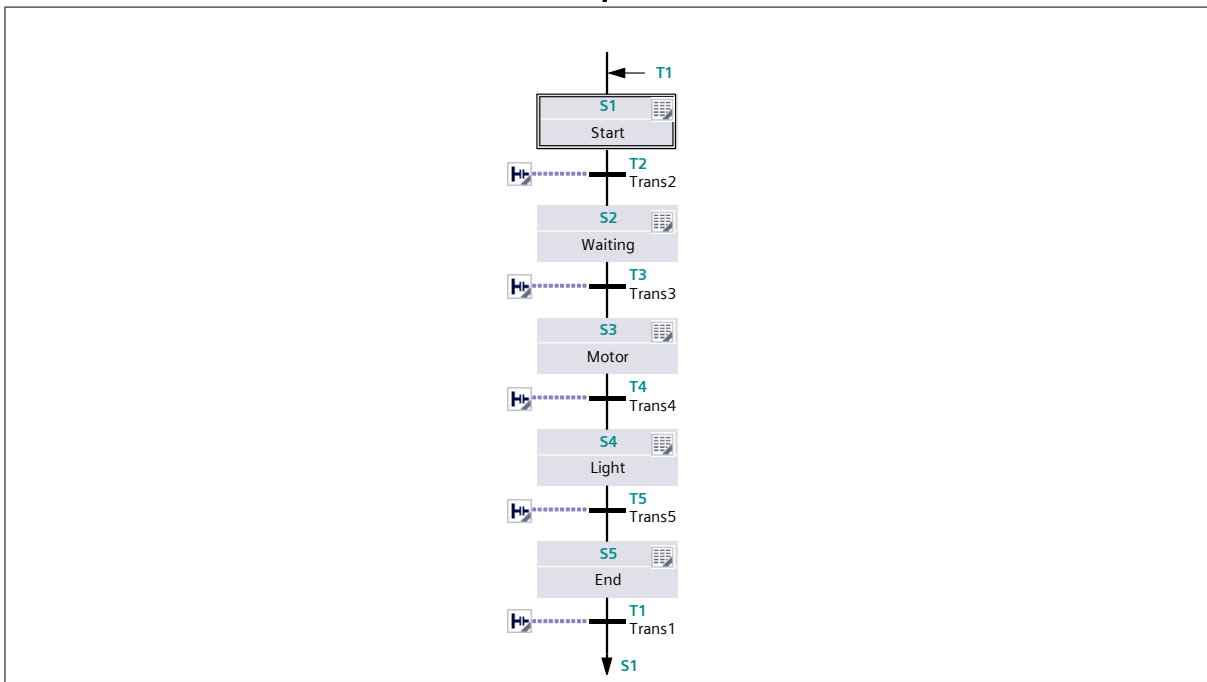
Permanent pre-instructions

1:



1:Main seq

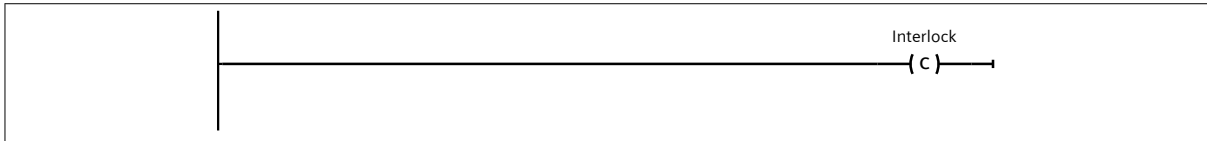
Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
	Description 1st		
Designed By	Description 2nd		Language en-US
Checked By	1st View	Version	Sheet 10 - 10



S1:Start

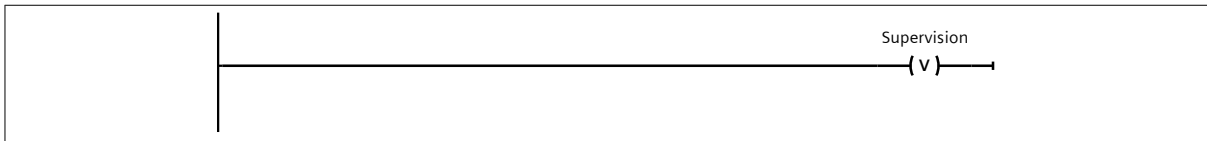
Interlock -(c)-:

Interlock alarm	
Alarm text	



Supervision -(v)-:

Supervision alarm	
Alarm text	



Actions:			
Interlock	Event	Qualifier	Action

Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Location			
Checked By	Description 1st	Language en-US		
Approved By	Description 2nd	1st View	Version	Sheet 10 - 11

A

T2:Trans2

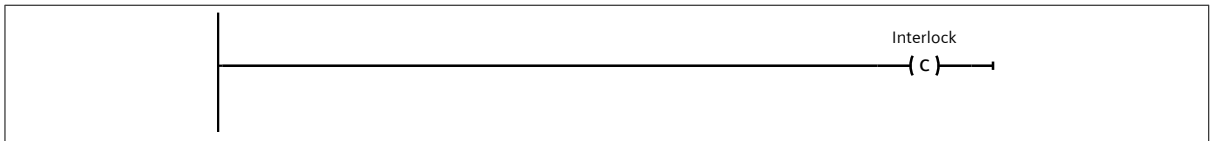


B

S2:Waiting

Interlock -(c)-:

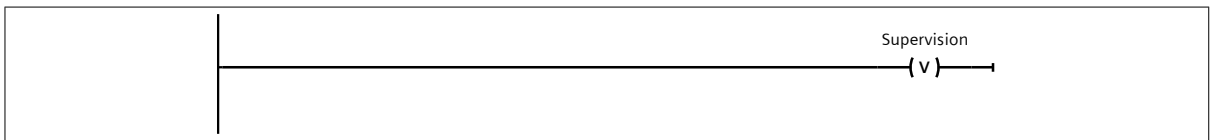
Interlock alarm	
Alarm text	



C

Supervision -(v)-:

Supervision alarm	
Alarm text	

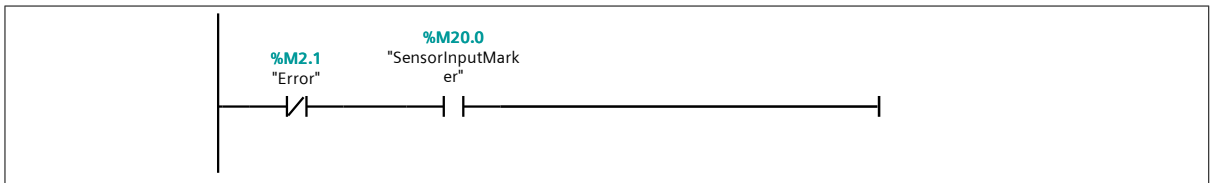


D

Actions:

Interlock	Event	Qualifier	Action
		R	"MotorTime"

T3:Trans3



E

S3:Motor

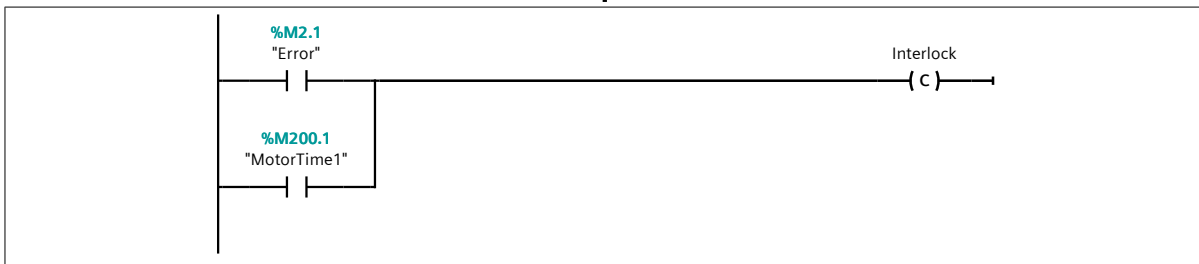
Interlock -(c)-:

Interlock alarm	
Alarm text	

F

Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Location			
Checked By	Description 1st	Language en-US		
Approved By	Description 2nd	1st View	Version	Sheet 10 - 12

A

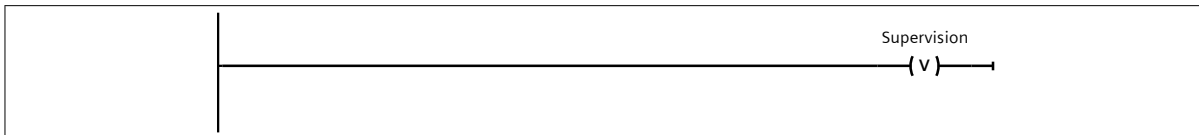


Supervision -(v)-:

B

Supervision alarm

Alarm text



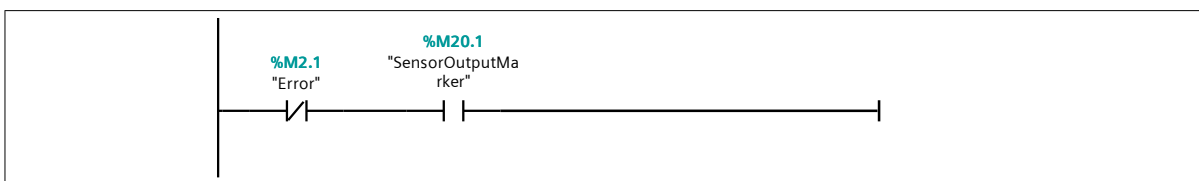
C

Actions:

Interlock	Event	Qualifier	Action
		N	"MotorMarker"
C		R	"MotorMarker"
		S	"MotorTime"
C		S	"Error"

T4:Trans4

D



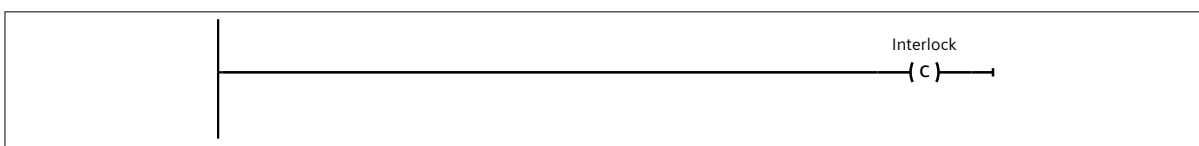
S4:Light

Interlock -(c)-:

E

Interlock alarm

Alarm text



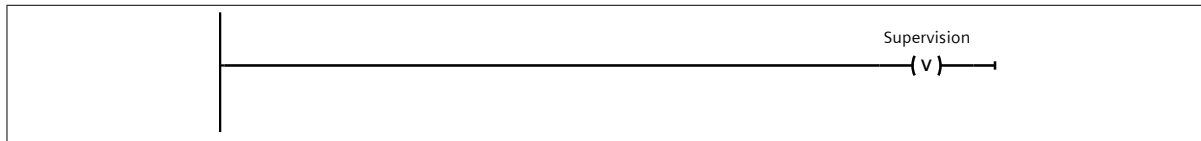
F

Owner	Project name	Conveyor	Date	5/7/2018
Operator	Project path	C:\Conveyor		
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 10 - 13	

A

Supervision -(v)-:

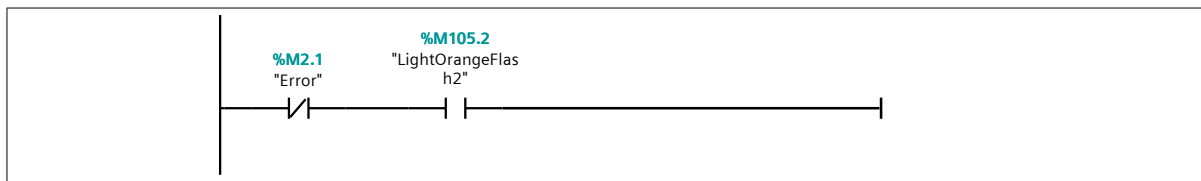
Supervision alarm	
Alarm text	



B

Actions:			
Interlock	Event	Qualifier	Action
		S	"LightOrangeFlash"
		R	"MotorTime"

T5:Trans5

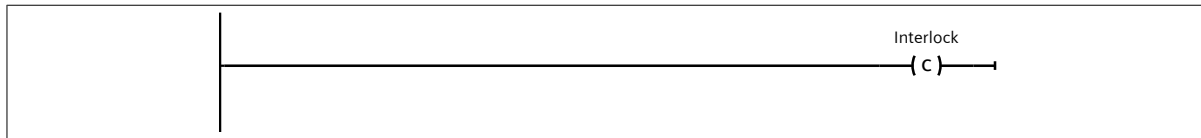


C

S5:End

Interlock -(c)-:

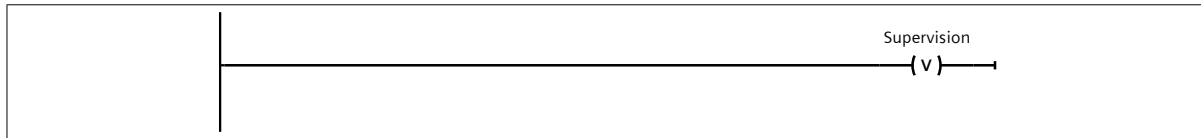
Interlock alarm	
Alarm text	



D

Supervision -(v)-:

Supervision alarm	
Alarm text	



E

Actions:			
Interlock	Event	Qualifier	Action
		R	"LightOrangeFlash"

F

Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Description 1st	Location		
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 10 - 14	

1

2

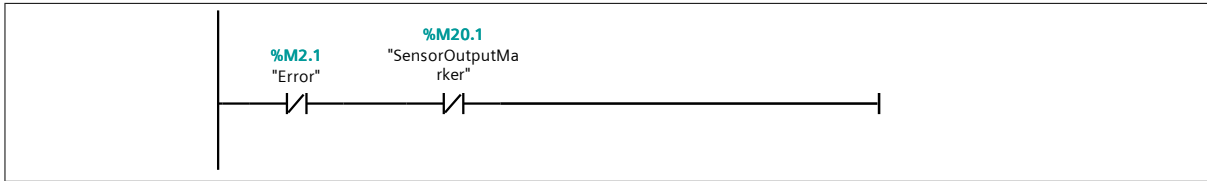
3

4

A

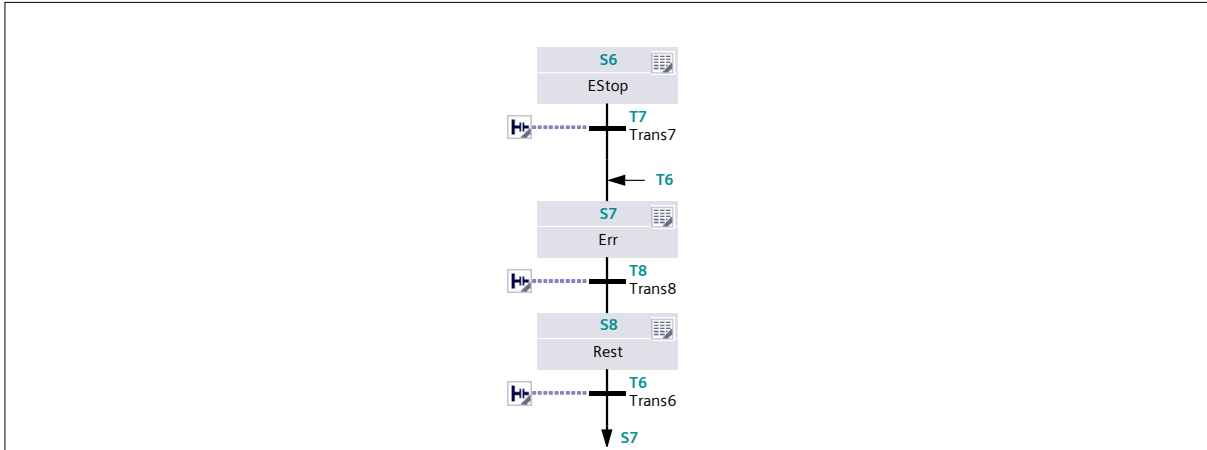
Interlock	Event	Qualifier	Action

T1:Trans1



B

2:Reset error Seq



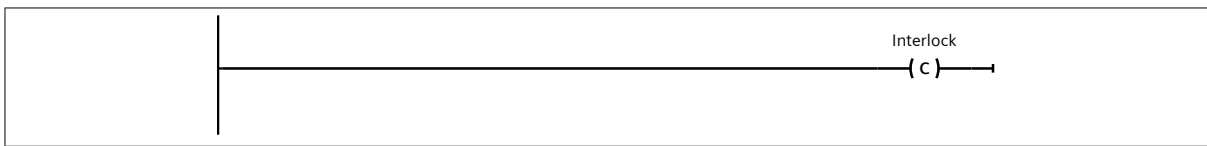
C

S6:EStop

D

Interlock -(c)-:

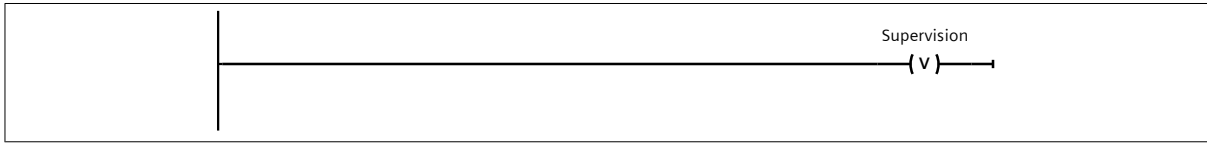
Interlock alarm
Alarm text



E

Supervision -(v)-:

Supervision alarm
Alarm text



F

Owner	Project name Conveyor	Date 5/7/2018
Operator	Project path C:\Conveyor	
	Location	
Designed By	Description 1st	
Checked By	Description 2nd	Language en-US
Approved By	1st View	Version
		Sheet 10 - 15

1

2

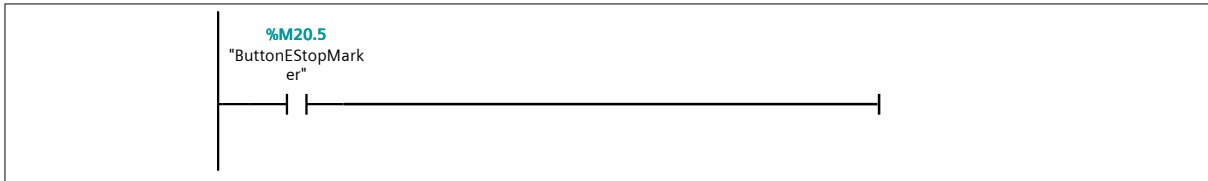
3

4

A

Actions:			
Interlock	Event	Qualifier	Action

T7:Trans7

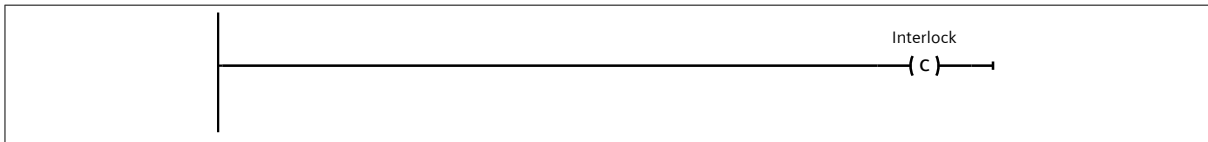


B

S7:Err

Interlock -(c)-:

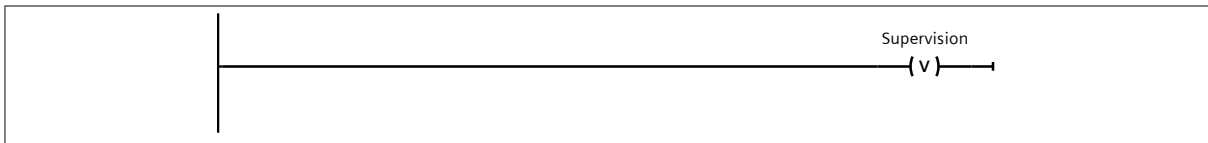
Interlock alarm	
Alarm text	



C

Supervision -(v)-:

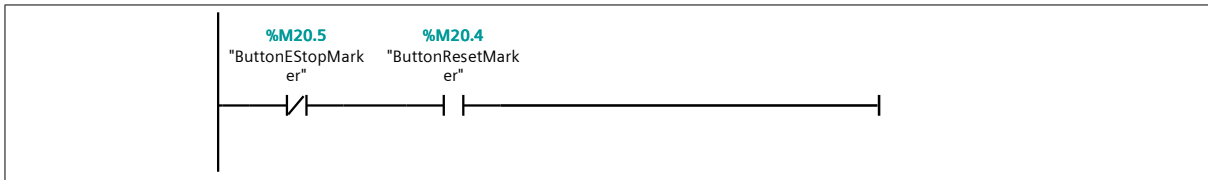
Supervision alarm	
Alarm text	



D

Actions:			
Interlock	Event	Qualifier	Action
		S	"Error"

T8:Trans8



E

S8:Rest

F

Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 10 - 16	

A

Interlock -(c)-:

Interlock alarm

Alarm text

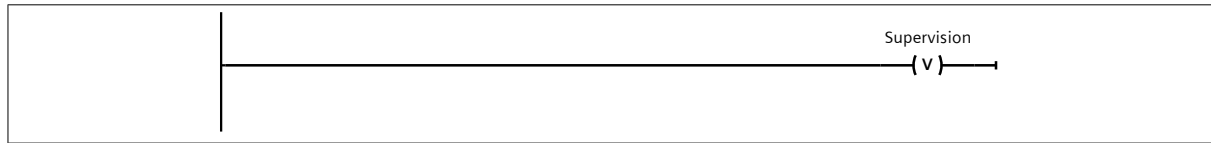


B

Supervision -(v)-:

Supervision alarm

Alarm text

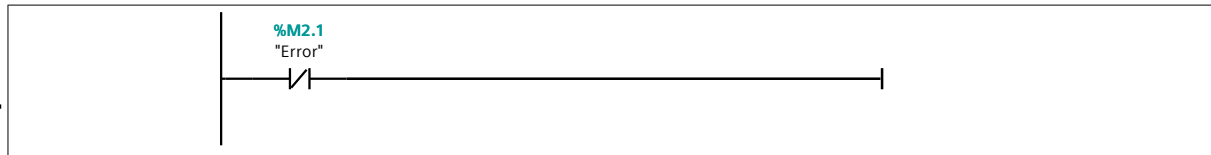


C

Actions:

Interlock	Event	Qualifier	Action
		R	"Error"

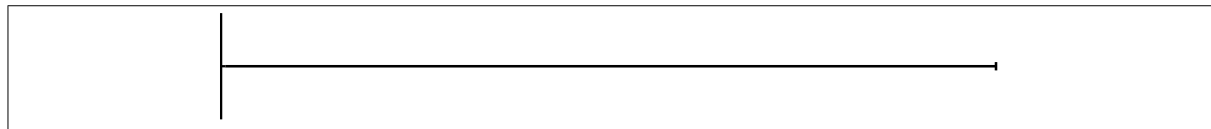
T6:Trans6



Permanent post-instructions

1:

D



E

F

















Owner	Project name	Conveyor	Date	5/7/2018
	Operator	Project path	C:\Conveyor	
Designed By	Location			
Checked By	Description 1st	Language en-US		
Approved By	Description 2nd	1st View	Version	Sheet 10 - 17

Conveyor / PLC_1 [CPU 315-2 PN/DP] / PLC tags / Default tag table [47]

PLC tags

PLC tags				
	Name	Data type	Address	Retain
	Error	Bool	%M2.1	
	SensorInput	Bool	%I0.0	
	SensorInputSim	Bool	%M10.0	
	SensorInputMarker	Bool	%M20.0	
	SensorOutput	Bool	%I0.1	
	SensorOutputSim	Bool	%M10.1	
	SensorOutputMarker	Bool	%M20.1	
	ETtime	Time	%MD150	
	LightRed	Bool	%Q0.3	
	LightRedSim	Bool	%M30.3	
	LightOrange	Bool	%Q0.2	
	LightOrangeSim	Bool	%M30.2	
	LightGreen	Bool	%Q0.1	
	LightGreenSim	Bool	%M30.1	
	LightRedMarker	Bool	%M40.3	
	LightOrangeFlash	Bool	%M105.0	
	LightOrangeFlash1	Bool	%M105.1	
	LightOrangeFlash2	Bool	%M105.2	
	LightOrangeFlash3	Bool	%M105.3	
	LightOrangeMarker	Bool	%M40.2	
	LightGreenMarker	Bool	%M40.1	
	OFF	Bool	%M250.1	
	ON	Bool	%M250.0	
	ButtonEStop	Bool	%I0.5	
	ButtonEStopSim	Bool	%M10.5	
	ButtonEStopMarker	Bool	%M20.5	
	ButtonReset	Bool	%I0.4	
	ButtonResetSim	Bool	%M10.4	
	ButtonResetMarker	Bool	%M20.4	
	ButtonStart	Bool	%I0.2	
	ButtonStartSim	Bool	%M10.2	

Owner	Project name	Conveyor		Date	5/7/2018
	Operator	Project path	C:\Conveyor		
Designed By		Location			
Checked By	Description 1st				
Approved By	Description 2nd	Language	en-US		
	1st View	Version	Sheet 18 - 1		

Name	Data type	Address	Retain
 ButtonStartMarker	Bool	%M20.2	
 ButtonStop	Bool	%I0.3	
 ButtonStopSim	Bool	%M10.3	
 ButtonStopMarker	Bool	%M20.3	
 Run	Bool	%M2.2	
 Motor	Bool	%Q0.0	
 MotorTime	Bool	%M200.0	
 MotorTime1	Bool	%M200.1	
 MotorTime2	Bool	%M200.2	
 MotorSim	Bool	%M30.0	
 MotorMarker	Bool	%M40.0	
 ModeNormal	Bool	%M254.0	
 ModeOp	Byte	%MB254	
 ModeSim	Bool	%M254.1	
 SetNormal	Bool	%M50.0	
 SetSim	Bool	%M50.1	

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 18 - 2

Conveyor / HMI_1 [KTP600 Basic color PN]

Runtime settings

General

Start screen	Root screen	Default template	
Screen resolution	320, 240	Project ID	0

Screens

Bit selection for text and graphic lists	Off	User-defined pictogram size	Unchecked
X,Y:	53, 38		

Keyboard

Use screen keyboard	Checked	Release button on exit	Unchecked
Disable dialog window function keys	Unchecked		

Alarms

Controller alarms

Buffer overflow	10 %	Acknowledgment group text	QGR
Use alarm class color	Unchecked	System event duration	2 Seconds
Connection	HMI_Connection_1		

User administration

Enable limit for logon attempts	Checked	Invalid logon attempts	3
Logon with password	Unchecked	Group-specific rights	Unchecked
Password aging	Unchecked	Validity period	90
Warning period	7	Password generations	3
At least one special character	Unchecked	At least one number	Unchecked
Minimum password length	3		

Language & font

Preset runtime language: English (USA)

English (USA)

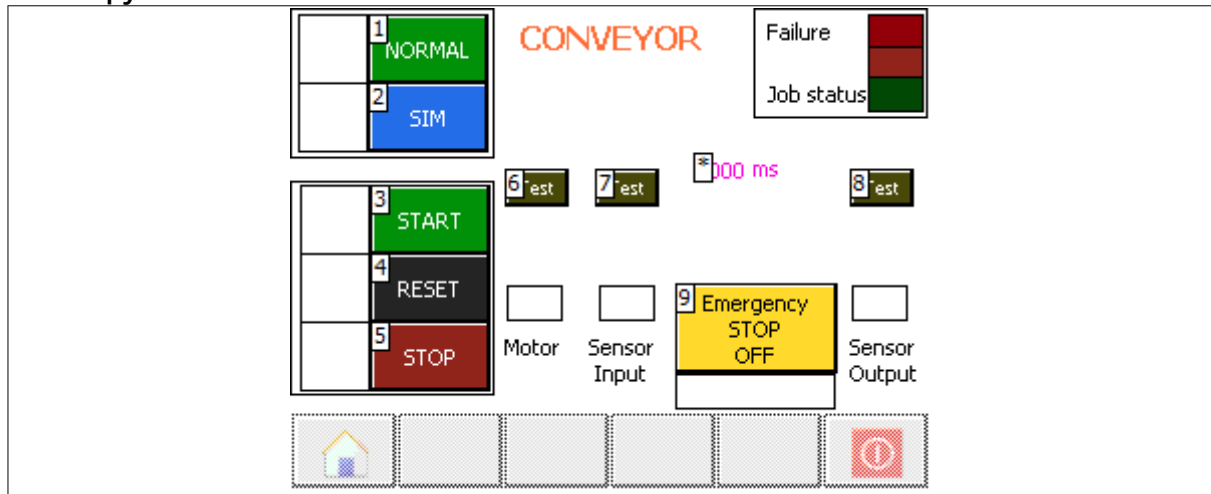
Runtime language Checked Fixed font 1 Tahoma

Owner	Project name Conveyor	Date 5/7/2018
Operator	Project path C:\Conveyor	
	Location	
Designed By	Description 1st	
Checked By	Description 2nd	Language en-US
Approved By	1st View	Version
		Sheet 29 - 1

Conveyor / HMI_1 [KTP600 Basic color PN] / Screens

Root screen

Hardcopy of Root screen



Name	Root screen	Background color	255, 255, 255
Grid color	0, 0, 0	Tooltip	
Number	1	Template	Template_1

Rectangle_1

Type	Rectangle	Name	Rectangle_1
Y position	0	X position	0
Width	102	Height	75
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		

Rectangle_2

Type	Rectangle	Name	Rectangle_2
Y position	86	X position	0
Width	102	Height	107
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		

Rectangle_3

Type	Rectangle	Name	Rectangle_3
Y position	0	X position	231
Width	87	Height	55
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		

Rectangle_4

Type	Rectangle	Name	Rectangle_4
------	-----------	------	-------------

Owner	Project name	Conveyor	Date	5/7/2018
Operator	Project path	C:\Conveyor		
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 30 - 1	

Y position	3	X position	4
Width	35	Height	35
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		
Dynamizations\Appearance			
Tag - Cycle	ModeNormal -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	255, 255, 63	Flashing	No

Rectangle_5			
Type	Rectangle	Name	Rectangle_5
Y position	37	X position	4
Width	35	Height	35
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		
Dynamizations\Appearance			
Tag - Cycle	ModeSim -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	255, 255, 63	Flashing	No

Button_1			
Type	Button	Name	Button_1
Y position	3	X position	39
Width	60	Height	35
Mode	Text	Text OFF	NORMAL
Text ON	NORMAL		

Dynamizations\Event	
Event name	Press

Function list\SetBit	
Tag	SetNormal

Dynamizations\Event	
Event name	Release

Function list\ResetBit	
Tag	SetNormal

Button_2			
Type	Button	Name	Button_2
Y position	37	X position	39
Width	60	Height	35
Mode	Text	Text OFF	SIM
Text ON	SIM		

Owner	Project name Conveyor	Date 5/7/2018
	Project path C:\Conveyor	
Operator	Location	
Designed By	Description 1st	
Checked By	Description 2nd	Language en-US
Approved By	1st View	Version Sheet 30 - 2

Dynamizations\Event	
Event name	Press

Function list\SetBit

Tag	SetSim
-----	--------

Dynamizations\Event	
Event name	Release

Function list\ResetBit

Tag	SetSim
-----	--------

Text field_1

Type	Text field	Name	Text field_1
Y position	3	X position	115
Width	93	Height	21
Layer	0 - Layer_0	Font	Tahoma, 16px, style=Bold
Text	CONVEYOR		

Text field_2

Type	Text field	Name	Text field_2
Y position	3	X position	238
Width	34	Height	15
Layer	0 - Layer_0	Font	Tahoma, 11px
Text	Failure		

Text field_3

Type	Text field	Name	Text field_3
Y position	34	X position	238
Width	52	Height	15
Layer	0 - Layer_0	Font	Tahoma, 11px
Text	Job status		

Rectangle_6

Type	Rectangle	Name	Rectangle_6
Y position	3	X position	288
Width	28	Height	18
Layer	0 - Layer_0	Background color	145, 0, 8
Border color	0, 0, 0		

Dynamizations\Appearance

Tag - Cycle	LightRedMarker -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	145, 0, 8	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	255, 0, 31	Flashing	No

Rectangle_7

Type	Rectangle	Name	Rectangle_7
------	-----------	------	-------------

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 30 - 3

Y position	19	X position	288
Width	28	Height	18
Layer	0 - Layer_0	Background color	145, 36, 26
Border color	0, 0, 0		
Dynamizations\Appearance			
Tag - Cycle	LightOrangeMarker -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	145, 36, 26	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	255, 145, 40	Flashing	No

Rectangle_8			
Type	Rectangle	Name	Rectangle_8
Y position	34	X position	288
Width	28	Height	18
Layer	0 - Layer_0	Background color	0, 72, 4
Border color	0, 0, 0		
Dynamizations\Appearance			
Tag - Cycle	LightGreenMarker -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	0, 72, 4	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	0, 255, 31	Flashing	No

Rectangle_9			
Type	Rectangle	Name	Rectangle_9
Y position	88	X position	5
Width	35	Height	35
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		
Dynamizations\Appearance			
Tag - Cycle	Run -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	255, 255, 63	Flashing	No

Rectangle_10			
Type	Rectangle	Name	Rectangle_10
Y position	122	X position	5
Width	35	Height	35
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		
Dynamizations\Appearance			
Tag - Cycle	Error -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	255, 255, 63	Flashing	No

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 30 - 4

A

Rectangle_11

Type	Rectangle	Name	Rectangle_11
Y position	156	X position	5
Width	35	Height	35
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		

Dynamizations\Appearance

Tag - Cycle	Run -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 63	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No

B

Button_3

Type	Button	Name	Button_3
Y position	88	X position	40
Width	60	Height	35
Mode	Text	Text OFF	START
Text ON	START		

C

Dynamizations\Event

Event name	Press
------------	-------

Function list\SetBit

Tag	ButtonStartSim
-----	----------------

Dynamizations\Event

Event name	Release
------------	---------

D

Function list\ResetBit

Tag	ButtonStartSim
-----	----------------

Button_4

Type	Button	Name	Button_4
Y position	122	X position	40
Width	60	Height	35
Mode	Text	Text OFF	RESET
Text ON	RESET		

E

Dynamizations\Event

Event name	Press
------------	-------

Function list\SetBit

Tag	ButtonResetSim
-----	----------------

Dynamizations\Event

Event name	Release
------------	---------

F

Owner	Project name	Conveyor	Date	5/7/2018
Operator	Project path	C:\Conveyor		
	Location			
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 30 - 5	

A

Function list\ResetBit

Tag	ButtonResetSim
-----	----------------

Button_5

Type	Button	Name	Button_5
Y position	156	X position	40
Width	60	Height	35
Mode	Text	Text OFF	STOP
Text ON	STOP		

B

Dynamizations\Event

Event name	Press
------------	-------

Function list\SetBit

Tag	ButtonStopSim
-----	---------------

Dynamizations\Event

Event name	Release
------------	---------

Function list\ResetBit

Tag	ButtonStopSim
-----	---------------

C

Button_6

Type	Button	Name	Button_6
Y position	80	X position	107
Width	32	Height	19
Mode	Text	Text OFF	Test
Text ON	Test		

Dynamizations\Event

Event name	Press
------------	-------

Function list\SetBit

Tag	MotorSim
-----	----------

Dynamizations\Event

Event name	Release
------------	---------

Function list\ResetBit

Tag	MotorSim
-----	----------

D

Button_7

Type	Button	Name	Button_7
Y position	80	X position	152
Width	32	Height	19
Mode	Text	Text OFF	Test
Text ON	Test		

E

Owner	Project name Conveyor	Date 5/7/2018
-------	-----------------------	---------------

Operator	Project path C:\Conveyor
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Designed By	Description 1st
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F

Checked By	Description 2nd	Language en-US
------------	-----------------	----------------

Approved By	1st View	Version	Sheet 30 - 6
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Dynamizations\Event	
Event name	Press

Function list\SetBit

Tag	SensorInputSim
-----	----------------

Dynamizations\Event	
Event name	Release

Function list\ResetBit

Tag	SensorInputSim
-----	----------------

Button_8

Type	Button	Name	Button_8
Y position	80	X position	279
Width	32	Height	19
Mode	Text	Text OFF	Test
Text ON	Test		

Dynamizations\Event	
Event name	Press

Function list\SetBit

Tag	SensorOutputSim
-----	-----------------

Dynamizations\Event	
Event name	Release

Function list\ResetBit

Tag	SensorOutputSim
-----	-----------------

I/O field_1

Type	I/O field	Name	I/O field_1
Y position	72	X position	201
Width	58	Height	23
Layer	0 - Layer_0	Mode	Output
Font	Tahoma, 11px		

Dynamizations\Tag connection			
Property name	Process value	Tag	ETtime

Rectangle_12

Type	Rectangle	Name	Rectangle_12
Y position	138	X position	108
Width	28	Height	18
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		

Dynamizations\Appearance			
Tag - Cycle	MotorMarker -	Data type	Range

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 30 - 7

Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	0, 255, 31	Flashing	No

Rectangle_13

Type	Rectangle	Name	Rectangle_13
Y position	138	X position	154
Width	28	Height	18
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		

Dynamizations\Appearance

Tag - Cycle	SensorInputMarker -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	0, 255, 31	Flashing	No

Rectangle_14

Type	Rectangle	Name	Rectangle_14
Y position	138	X position	280
Width	28	Height	18
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		

Dynamizations\Appearance

Tag - Cycle	SensorOutputMarker -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	0, 255, 31	Flashing	No

Switch_1

Type	Switch	Name	Switch_1
Y position	137	X position	192
Width	81	Height	45
Layer	0 - Layer_0	Mode	Switch with text

Dynamizations\Tag connection

Property name	Process value	Tag	ButtonEStopSim
---------------	---------------	-----	----------------

Dynamizations\Event

Event name	Switch ON
------------	-----------

Function list\SetBit

Tag	ButtonEStopSim
-----	----------------

Dynamizations\Event

Event name	Switch OFF
------------	------------

Owner	Project name	Conveyor	Date	5/7/2018
Operator	Project path	C:\Conveyor		
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 30 - 8	

A

Function list\ResetBit

Tag	ButtonEStopSim
-----	----------------

Rectangle_15

Type	Rectangle	Name	Rectangle_15
Y position	182	X position	192
Width	80	Height	18
Layer	0 - Layer_0	Background color	255, 255, 255
Border color	0, 0, 0		

Dynamizations\Appearance

Tag - Cycle	ButtonEStopMarker -	Data type	Range
Range	0..0	Foreground color	0, 0, 0
Background color	255, 255, 255	Flashing	No
Range	1..1	Foreground color	0, 0, 0
Background color	255, 255, 63	Flashing	No

Text field_4

Type	Text field	Name	Text field_4
Y position	160	X position	107
Width	30	Height	15
Layer	0 - Layer_0	Font	Tahoma, 11px
Text	Motor		

C

Text field_5

Type	Text field	Name	Text field_5
Y position	160	X position	149
Width	35	Height	28
Layer	0 - Layer_0	Font	Tahoma, 11px
Text	Sensor Input		

D

Text field_6

Type	Text field	Name	Text field_6
Y position	160	X position	279
Width	36	Height	28
Layer	0 - Layer_0	Font	Tahoma, 11px
Text	Sensor Output		

E

Text field_7

Type	Text field	Name	Text field_7
Y position	71	X position	227
Width	23	Height	15
Layer	0 - Layer_0	Font	Tahoma, 11px
Text	ms		

F

Owner	Project name	Conveyor	Date	5/7/2018
Operator	Project path	C:\Conveyor		
	Location			
Designed By	Description 1st			
Checked By	Description 2nd	Language	en-US	
Approved By	1st View	Version	Sheet 30 - 9	

Conveyor / HMI_1 [KTP600 Basic color PN] / HMI tags

Default tag table [47]

ModeNormal

Name	ModeNormal	Address	%M254.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

SetNormal

Name	SetNormal	Address	%M50.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ModeSim

Name	ModeSim	Address	%M254.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

SetSim

Name	SetSim	Address	%M50.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

LightRedMarker

Name	LightRedMarker	Address	%M40.3
Connection	HMI_Connection_1	Data type	Bool
Length	1		

LightOrangeMarker

Name	LightOrangeMarker	Address	%M40.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

LightGreenMarker

Name	LightGreenMarker	Address	%M40.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

Run

Name	Run	Address	%M2.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

Error

Name	Error	Address	%M2.1
------	-------	---------	-------

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 33 - 1

A

Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonStartSim

Name	ButtonStartSim	Address	%M10.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonResetSim

Name	ButtonResetSim	Address	%M10.4
Connection	HMI_Connection_1	Data type	Bool
Length	1		

B

ButtonStopSim

Name	ButtonStopSim	Address	%M10.3
Connection	HMI_Connection_1	Data type	Bool
Length	1		

MotorSim

Name	MotorSim	Address	%M30.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

C

SensorInputSim

Name	SensorInputSim	Address	%M10.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

SensorOutputSim

Name	SensorOutputSim	Address	%M10.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

D

ETtime

Name	ETtime	Address	%MD150
Connection	HMI_Connection_1	Data type	Time
Length	4		

MotorMarker

Name	MotorMarker	Address	%M40.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

E

SensorInputMarker

Name	SensorInputMarker	Address	%M20.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

F

Owner	Project name Conveyor	Date 5/7/2018
Operator	Project path C:\Conveyor	
	Location	
Designed By	Description 1st	
Checked By	Description 2nd	Language en-US
Approved By	1st View	Version
		Sheet 33 - 2

1

2

3

4

A

SensorOutputMarker

Name	SensorOutputMarker	Address	%M20.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonEStopSim

Name	ButtonEStopSim	Address	%M10.5
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonEStopMarker

Name	ButtonEStopMarker	Address	%M20.5
Connection	HMI_Connection_1	Data type	Bool
Length	1		

B

SensorInput

Name	SensorInput	Address	%I0.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

SensorOutput

Name	SensorOutput	Address	%I0.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

C

LightRed

Name	LightRed	Address	%Q0.3
Connection	HMI_Connection_1	Data type	Bool
Length	1		

LightRedSim

Name	LightRedSim	Address	%M30.3
Connection	HMI_Connection_1	Data type	Bool
Length	1		

D

LightOrange

Name	LightOrange	Address	%Q0.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

LightOrangeSim

Name	LightOrangeSim	Address	%M30.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

E

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 33 - 3

F

1

2

3

4

A

LightGreen

Name	LightGreen	Address	%Q0.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

LightGreenSim

Name	LightGreenSim	Address	%M30.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

LightOrangeFlash

Name	LightOrangeFlash	Address	%M105.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

B

LightOrangeFlash1

Name	LightOrangeFlash1	Address	%M105.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

LightOrangeFlash2

Name	LightOrangeFlash2	Address	%M105.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

C

LightOrangeFlash3

Name	LightOrangeFlash3	Address	%M105.3
Connection	HMI_Connection_1	Data type	Bool
Length	1		

OFF

Name	OFF	Address	%M250.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

D

ON

Name	ON	Address	%M250.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonEStop

Name	ButtonEStop	Address	%I0.5
Connection	HMI_Connection_1	Data type	Bool
Length	1		

E

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 33 - 4

F

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2

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4

A

ButtonReset

Name	ButtonReset	Address	%I0.4
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonResetMarker

Name	ButtonResetMarker	Address	%M20.4
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonStart

Name	ButtonStart	Address	%I0.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonStartMarker

Name	ButtonStartMarker	Address	%M20.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonStop

Name	ButtonStop	Address	%I0.3
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ButtonStopMarker

Name	ButtonStopMarker	Address	%M20.3
Connection	HMI_Connection_1	Data type	Bool
Length	1		

Motor

Name	Motor	Address	%Q0.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

MotorTime

Name	MotorTime	Address	%M200.0
Connection	HMI_Connection_1	Data type	Bool
Length	1		

MotorTime1

Name	MotorTime1	Address	%M200.1
Connection	HMI_Connection_1	Data type	Bool
Length	1		

B

C

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E

Owner	Project name Conveyor		Date 5/7/2018
	Project path C:\Conveyor		
Operator	Location		
Designed By	Description 1st		
Checked By	Description 2nd	Language en-US	
Approved By	1st View	Version	Sheet 33 - 5

1

2

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4

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MotorTime2

Name	MotorTime2	Address	%M200.2
Connection	HMI_Connection_1	Data type	Bool
Length	1		

ModeOp

Name	ModeOp	Address	%MB254
Connection	HMI_Connection_1	Data type	Byte
Length	1		

B

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Owner	Projectname Conveyor	Date 5/7/2018
Operator	Project path C:\Conveyor	
	Location	
Designed By	Description 1st	
Checked By	Description 2nd	Language en-US
Approved By	1st View	Version
		Sheet 33 - 6