

Totally Integrated Automation Portal

Start_Stop [FC1]

Start_Stop Properties

General

Name	Start_Stop	Number	1	Type	FC	Language	SCL
Numbering	Automatic						

Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Default value
▼ Input		
emergencyStop	Bool	
stopButton	Bool	
startButton	Bool	
resetButton	Bool	
autoMode	Bool	
bufferVel	Real	
exitVel	Real	
atBufferExit	Bool	
▼ Output		
bufferConveyor	Real	
exitConveyor	Real	
startLight	Bool	
stopLight	Bool	
InOut		
Temp		
Constant		
▼ Return		
Start_Stop	Void	

```
0001 REGION Conveyors Run
0002     // RESET All Logic
0003     IF NOT #emergencyStop OR NOT #stopButton OR NOT #autoMode OR "Data".HMI.stopButton THEN
0004         "Data".S_R_Conveyors := FALSE;
0005     END_IF;
0006     //SET All Logic
0007     IF #startButton OR "Data".HMI.startButton AND #autoMode THEN
0008         "Data".S_R_Conveyors := TRUE;
0009     END_IF;
0010 END_REGION
0011
0012 // Indicator Lights Start and Stop
0013 REGION Indicator Lights
0014     IF NOT "Data".S_R_Conveyors THEN
0015         #stopLight := TRUE;
0016     ELSE
0017         #startLight := TRUE;
0018     END_IF;
0019 END_REGION
0020
0021 // Control Conveyors
0022 REGION Frequency Buffer and Exit Conveyor
0023     IF "Data".S_R_Conveyors THEN
0024         #exitConveyor := #exitVel;
0025         #bufferConveyor := #bufferVel;
0026         IF "Data".freqBufferConveyor.stopBladeState THEN
0027             #bufferConveyor := 0;
0028         END_IF;
0029     END_IF;
0030 END_REGION
```