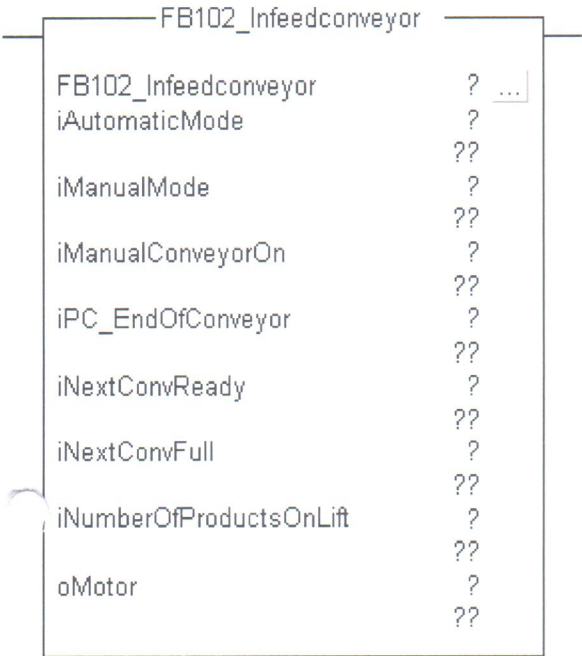


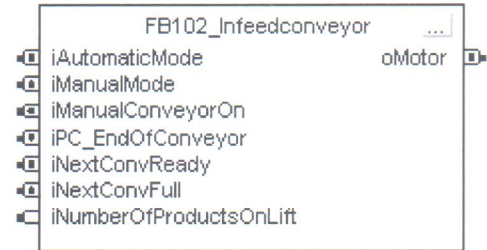
FB102\_Infeedconveyor v1.0

Available Languages

Relay Ladder



Function Block



Structured Text

FB102\_Infeedconveyor(iAutomaticMode, iManualMode, iManualConveyorOn, iPC\_EndOfConveyor, iNextConvReady, iNextConvFull, iNumberOfProductsOnLift, oMotor);

Parameters

| Required | Name                    | Data Type            | Usage  | Description                                    |
|----------|-------------------------|----------------------|--------|--|
| X        | FB102_Infeedconveyor    | FB102_Infeedconveyor | InOut  |  |
|          | EnableIn                | BOOL                 | Input  |  |
|          | EnableOut               | BOOL                 | Output |  |
| X        | iAutomaticMode          | BOOL                 | Input  |  |
| X        | iManualMode             | BOOL                 | Input  |  |
| X        | iManualConveyorOn       | BOOL                 | Input  |  |
| X        | iPC_EndOfConveyor       | BOOL                 | Input  |  |
| X        | iNextConvReady          | BOOL                 | Input  |  |
| X        | iNextConvFull           | BOOL                 | Input  |  |
| X        | iNumberOfProductsOnLift | INT                  | Input  | Number of products on lift conveyor for infeed |
| X        | oMotor                  | BOOL                 | Output |  |

Extended Description

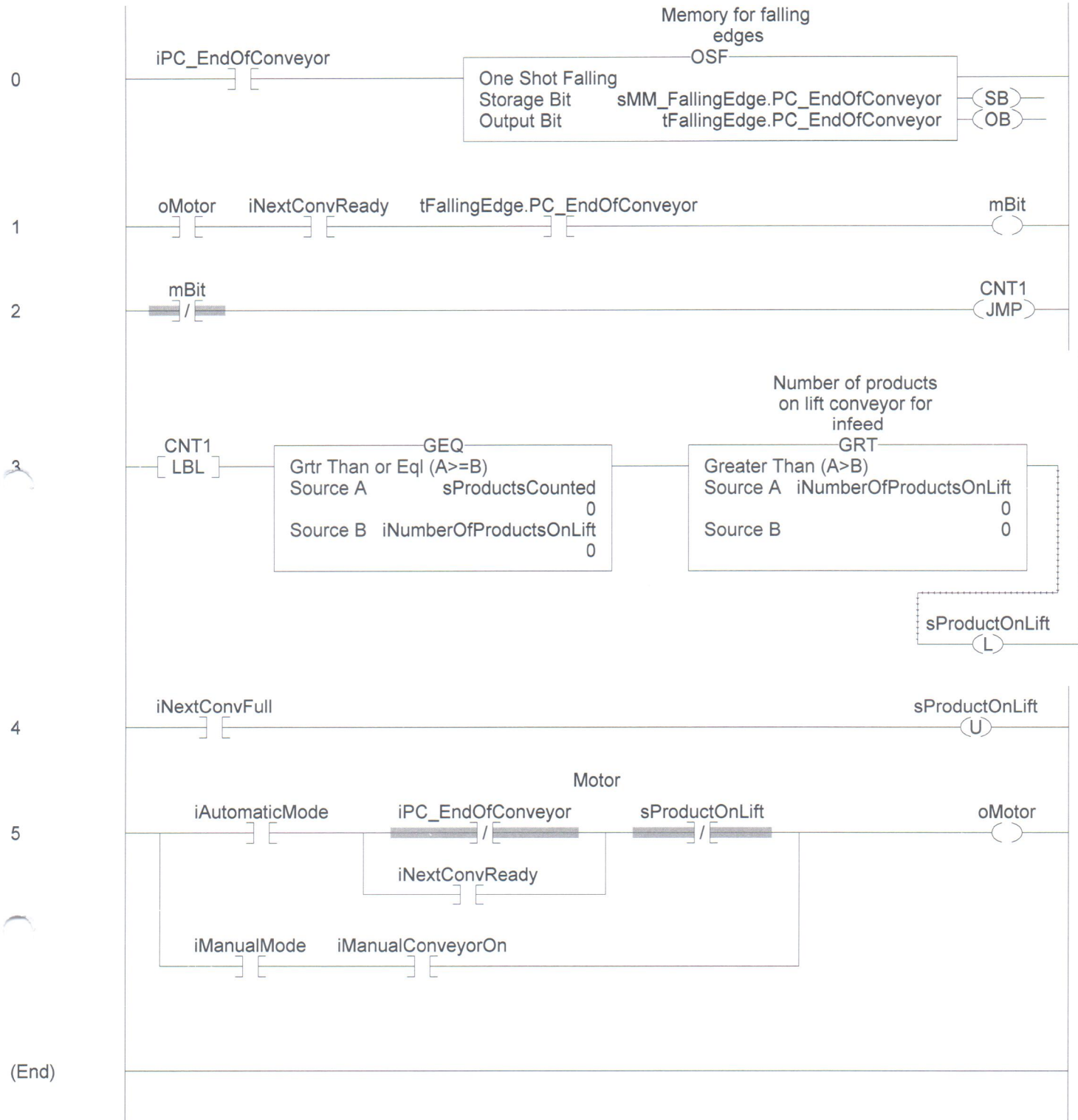
Execution

| Condition | Description |
|-----------|-------------|
|-----------|-------------|

**Revision v1.0 Notes**

| Name   | Default          | Data Type | Scope                |
|--|------------------|-----------|----------------------|
| <b>iAutomaticMode</b>  | 0                | BOOL      | FB102_Infeedconveyor |
| Usage:   | Input Parameter  |           |                      |
| Required:  | Yes              |           |                      |
| Visible:   | Yes              |           |                      |
| <i>iAutomaticMode - FB102_Infeedconveyor/Logic - 5(XIC)</i>                  |                  |           |                      |
| <b>iManualConveyorOn</b>   | 0                | BOOL      | FB102_Infeedconveyor |
| Usage:   | Input Parameter  |           |                      |
| Required:  | Yes              |           |                      |
| Visible:   | Yes              |           |                      |
| <i>iManualConveyorOn - FB102_Infeedconveyor/Logic - 5(XIC)</i>               |                  |           |                      |
| <b>iManualMode</b>   | 0                | BOOL      | FB102_Infeedconveyor |
| Usage:   | Input Parameter  |           |                      |
| Required:  | Yes              |           |                      |
| Visible:   | Yes              |           |                      |
| <i>iManualMode - FB102_Infeedconveyor/Logic - 5(XIC)</i>                     |                  |           |                      |
| <b>iNextConvFull</b>   | 0                | BOOL      | FB102_Infeedconveyor |
| Usage:   | Input Parameter  |           |                      |
| Required:  | Yes              |           |                      |
| Visible:   | Yes              |           |                      |
| <i>iNextConvFull - FB102_Infeedconveyor/Logic - 4(XIC)</i>                   |                  |           |                      |
| <b>iNextConvReady</b>  | 0                | BOOL      | FB102_Infeedconveyor |
| Usage:   | Input Parameter  |           |                      |
| Required:  | Yes              |           |                      |
| Visible:   | Yes              |           |                      |
| <i>iNextConvReady - FB102_Infeedconveyor/Logic - 1(XIC), 5(XIC)</i>          |                  |           |                      |
| <b>iNumberOfProductsOnLift</b>   | 0                | INT       | FB102_Infeedconveyor |
| Number of products on lift conveyor for infeed                               |                  |           |                      |
| Usage:   | Input Parameter  |           |                      |
| Required:  | Yes              |           |                      |
| Visible:   | Yes              |           |                      |
| <i>iNumberOfProductsOnLift - FB102_Infeedconveyor/Logic - 3(GEQ), 3(GRT)</i> |                  |           |                      |
| <b>iPC_EndOfConveyor</b>   | 0                | BOOL      | FB102_Infeedconveyor |
| Usage:   | Input Parameter  |           |                      |
| Required:  | Yes              |           |                      |
| Visible:   | Yes              |           |                      |
| <i>iPC_EndOfConveyor - FB102_Infeedconveyor/Logic - 0(XIC), 5(XIO)</i>       |                  |           |                      |
| <b>oMotor</b>  | 0                | BOOL      | FB102_Infeedconveyor |
| Usage:   | Output Parameter |           |                      |
| Required:  | Yes              |           |                      |
| Visible:   | Yes              |           |                      |
| <i>oMotor - FB102_Infeedconveyor/Logic - *5(OTE), 1(XIC)</i>                 |                  |           |                      |

| Name  | Default   | Data Type             | Scope                |
|---|-----------|-----------------------|----------------------|
| <b>mBit</b>   | 0         | BOOL                  | FB102_Infeedconveyor |
| Usage:  | Local Tag |                       |                      |
| <i>mBit - FB102_Infeedconveyor/Logic - *1(OTE), 2(XIO)</i>                          |           |                       |                      |
| <b>sMM_FallingEdge</b>  |           | FB102_sMM_FallingEdge | FB102_Infeedconveyor |
| Memory for falling edges  |           |                       |                      |
| Usage:  | Local Tag |                       |                      |
| <i>sMM_FallingEdge.PC_EndOfConveyor - FB102_Infeedconveyor/Logic - *0(OSF)</i>      |           |                       |                      |
| <b>sProductOnLift</b>   | 0         | BOOL                  | FB102_Infeedconveyor |
| Usage:  | Local Tag |                       |                      |
| <i>sProductOnLift - FB102_Infeedconveyor/Logic - *3(OTL), *4(OTU), 5(XIO)</i>       |           |                       |                      |
| <b>sProductsCounted</b>   | 0         | INT                   | FB102_Infeedconveyor |
| Usage:  | Local Tag |                       |                      |
| <i>sProductsCounted - FB102_Infeedconveyor/Logic - 3(GEQ)</i>                       |           |                       |                      |
| <b>tFallingEdge</b>   |           | FB102_tFallingEdge    | FB102_Infeedconveyor |
| Usage:  | Local Tag |                       |                      |
| <i>tFallingEdge.PC_EndOfConveyor - FB102_Infeedconveyor/Logic - *0(OSF), 1(XIC)</i> |           |                       |                      |

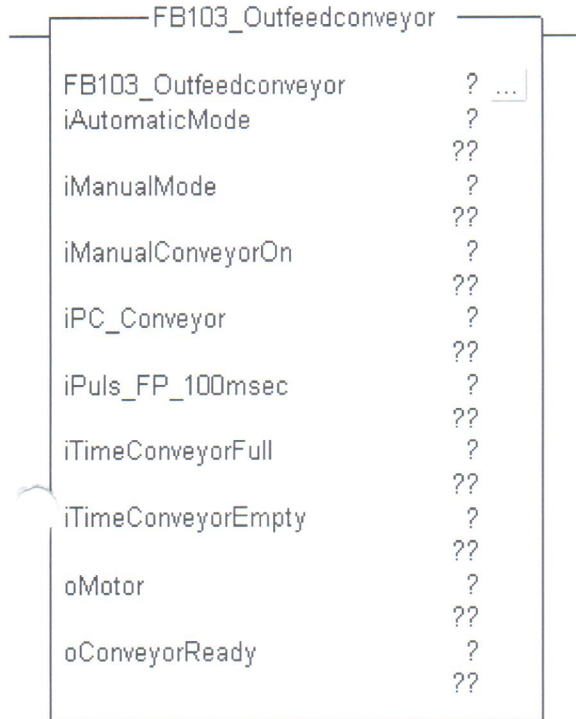




FB103\_Outfeedconveyor v1.0

## Available Languages

### Relay Ladder



### Function Block



### Structured Text

FB103\_Outfeedconveyor(iAutomaticMode, iManualMode, iManualConveyorOn, iPC\_Conveyor, iPuls\_FP\_100msec, iTimeConveyorFull, iTimeConveyorEmpty, oMotor, oConveyorReady);

## Parameters

| Required | Name                  | Data Type             | Usage  | Description                    |
|----------|-----------------------|-----------------------|--------|--------------------------------|
| X        | FB103_Outfeedconveyor | FB103_Outfeedconveyor | InOut  |                                |
|          | EnableIn              | BOOL                  | Input  |                                |
|          | EnableOut             | BOOL                  | Output |                                |
| X        | iAutomaticMode        | BOOL                  | Input  |                                |
| X        | iManualMode           | BOOL                  | Input  |                                |
| X        | iManualConveyorOn     | BOOL                  | Input  |                                |
| X        | iPC_Conveyor          | BOOL                  | Input  | Photocell on conveyor          |
| X        | iPuls_FP_100msec      | BOOL                  | Input  | Flank positive 100 msec pulses |
| X        | iTimeConveyorFull     | INT                   | Input  |                                |
| X        | iTimeConveyorEmpty    | INT                   | Input  |                                |
| X        | oMotor                | BOOL                  | Output |                                |
| X        | oConveyorReady        | BOOL                  | Output | Ready for receiving products   |

## Extended Description

**Execution**

| Condition        | Description |
|------------------|-------------|
| EnableIn is true |             |

**Revision v1.0 Notes**

| Name  | Default          | Data Type | Scope                 |
|---|------------------|-----------|-----------------------|
| <b>iAutomaticMode</b>   | 0                | BOOL      | FB103_Outfeedconveyor |
| Usage:  | Input Parameter  |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>iAutomaticMode - FB103_Outfeedconveyor/Logic - 5(XIC), 6(XIC)</i>                                |                  |           |                       |
| <b>iManualConveyorOn</b>  | 0                | BOOL      | FB103_Outfeedconveyor |
| Usage:  | Input Parameter  |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>iManualConveyorOn - FB103_Outfeedconveyor/Logic - 5(XIC)</i>                                     |                  |           |                       |
| <b>iManualMode</b>  | 0                | BOOL      | FB103_Outfeedconveyor |
| Usage:  | Input Parameter  |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>iManualMode - FB103_Outfeedconveyor/Logic - 5(XIC)</i>   |                  |           |                       |
| <b>iPC_Conveyor</b>   | 0                | BOOL      | FB103_Outfeedconveyor |
| Photocell on conveyor   |                  |           |                       |
| Usage:  | Input Parameter  |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>iPC_Conveyor - FB103_Outfeedconveyor/Logic - 0(SFB4_OnDelayTimer)</i>                            |                  |           |                       |
| <b>iPuls_FP_100msec</b>   | 0                | BOOL      | FB103_Outfeedconveyor |
| Flank positive 100 msec pulses  |                  |           |                       |
| Usage:  | Input Parameter  |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>iPuls_FP_100msec - FB103_Outfeedconveyor/Logic - 0(SFB4_OnDelayTimer), 2(SFB5_OffDelayTimer)</i> |                  |           |                       |
| <b>iTimeConveyorEmpty</b>   | 0                | INT       | FB103_Outfeedconveyor |
| Usage:  | Input Parameter  |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>iTimeConveyorEmpty - FB103_Outfeedconveyor/Logic - 2(SFB5_OffDelayTimer)</i>                     |                  |           |                       |
| <b>iTimeConveyorFull</b>  | 0                | INT       | FB103_Outfeedconveyor |
| Usage:  | Input Parameter  |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>iTimeConveyorFull - FB103_Outfeedconveyor/Logic - 0(SFB4_OnDelayTimer)</i>                       |                  |           |                       |
| <b>oConveyorReady</b>   | 0                | BOOL      | FB103_Outfeedconveyor |
| Ready for receiving products  |                  |           |                       |
| Usage:  | Output Parameter |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>oConveyorReady - FB103_Outfeedconveyor/Logic - *6(OTE)</i>                                       |                  |           |                       |
| <b>oMotor</b>   | 0                | BOOL      | FB103_Outfeedconveyor |
| Usage:  | Output Parameter |           |                       |
| Required:   | Yes              |           |                       |
| Visible:  | Yes              |           |                       |
| <i>oMotor - FB103_Outfeedconveyor/Logic - *5(OTE), 6(XIC)</i>                                       |                  |           |                       |



| Name  | Default   | Data Type          | Scope                 |
|---|-----------|--------------------|-----------------------|
| <b>sConveyorOccupied</b>  | 0         | BOOL               | FB103_Outfeedconveyor |
| Usage:  | Local Tag |                    |                       |
| <i>sConveyorOccupied - FB103_Outfeedconveyor/Logic - *3(OTL), *4(OTU), 6(XIO)</i>                   |           |                    |                       |
| <b>sPC_ConveyorEmpty</b>  |           | SFB5_OffDelayTimer | FB103_Outfeedconveyor |
| SFB5 - SFB OffDelay Timer   |           |                    |                       |
| Usage:  | Local Tag |                    |                       |
| <i>sPC_ConveyorEmpty - FB103_Outfeedconveyor/Logic - *2(SFB5_OffDelayTimer)</i>                     |           |                    |                       |
| <b>sPC_ConveyorFull</b>   |           | SFB4_OnDelayTimer  | FB103_Outfeedconveyor |
| SFB4 - SFB OnDelay Timer  |           |                    |                       |
| Usage:  | Local Tag |                    |                       |
| <i>sPC_ConveyorFull - FB103_Outfeedconveyor/Logic - *0(SFB4_OnDelayTimer)</i>                       |           |                    |                       |
| <b>sTimesPC_ConveyorEmptyIn</b>   | 0         | BOOL               | FB103_Outfeedconveyor |
| Usage:  | Local Tag |                    |                       |
| <i>sTimesPC_ConveyorEmptyIn - FB103_Outfeedconveyor/Logic - *1(OTE), 2(SFB5_OffDelayTimer)</i>      |           |                    |                       |
| <b>sTimesPC_ConveyorEmptyQ</b>  | 0         | BOOL               | FB103_Outfeedconveyor |
| Usage:  | Local Tag |                    |                       |
| <i>TimesPC_ConveyorEmptyQ - FB103_Outfeedconveyor/Logic - *2(SFB5_OffDelayTimer), 4(XIC)</i>        |           |                    |                       |
| <b>sTimesPC_ConveyorFullQ</b>   | 0         | BOOL               | FB103_Outfeedconveyor |
| Usage:  | Local Tag |                    |                       |
| <i>sTimesPC_ConveyorFullQ - FB103_Outfeedconveyor/Logic - *0(SFB4_OnDelayTimer), 1(XIO), 3(XIC)</i> |           |                    |                       |

