

# RASWIN Module SRS Input + Safety Relay + Output

# Previous knowledge requirements

## SRS Module

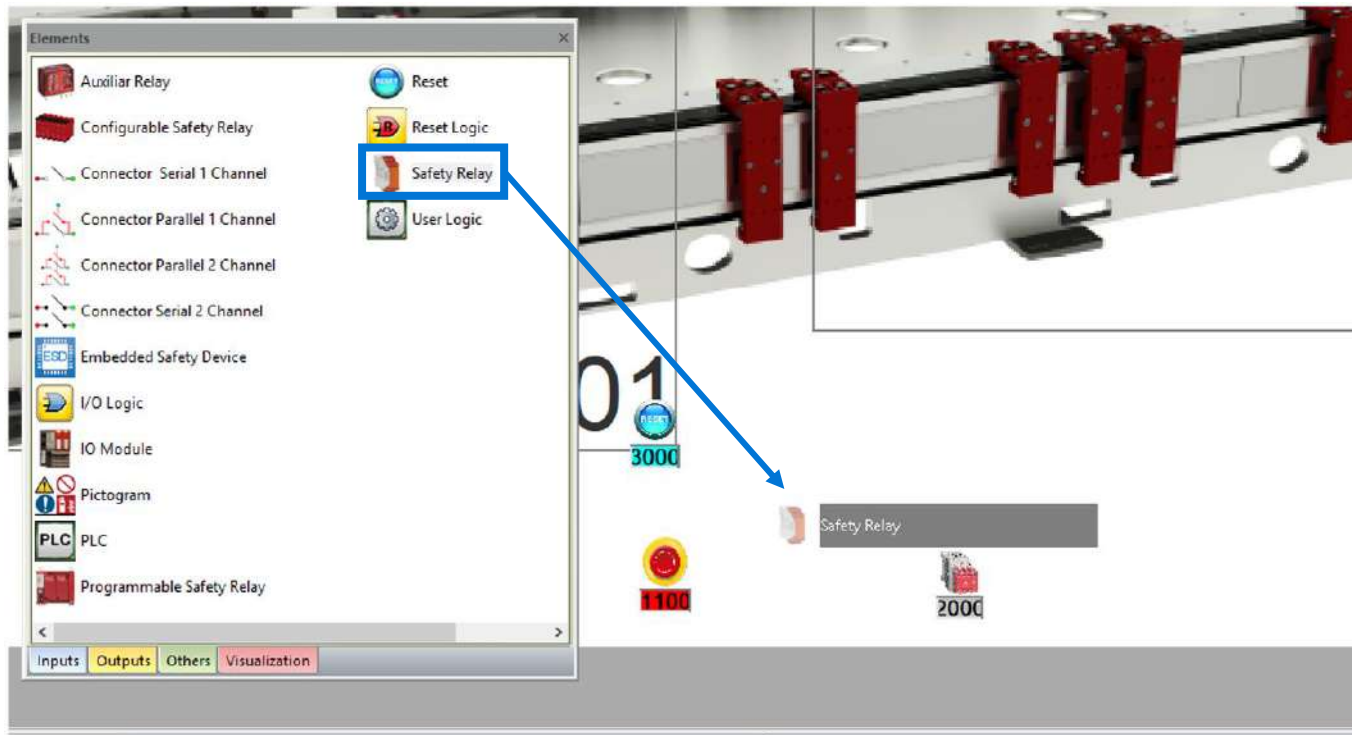
1\_SRS Input\_Output



Previous knowledge requirements

# How to create a Safety Matrix in RASWin?

Architecture: Input + Safety Relay + Output



1. Select “Others” on the Element Pane.
2. Select a “Safety Relay” and drag it on the layout.

Step 1: Add a Safety Relay

# How to create a Safety Matrix in RASWin?

Architecture: Input + Safety Relay + Output

**Safety Relay Information**

**Matrix Code:** 2350

User Code: U-123

Description: Estop Safety Relay

Manufacturer: Rockwell Automation

Reference: MSR\_XXX

Location: Control Cabinet

Access Point: 01 - Acces Point 1

Label color: [Color Selection]  Exclude from Matrix

**Manufacturer's parameters:**

**Input parameters:**

Parame...	Description	Value

**Output parameters:**

Parame...	Description	Value

**Connected elements:**

Inputs Outputs

Validation configuration

Cancel Ok

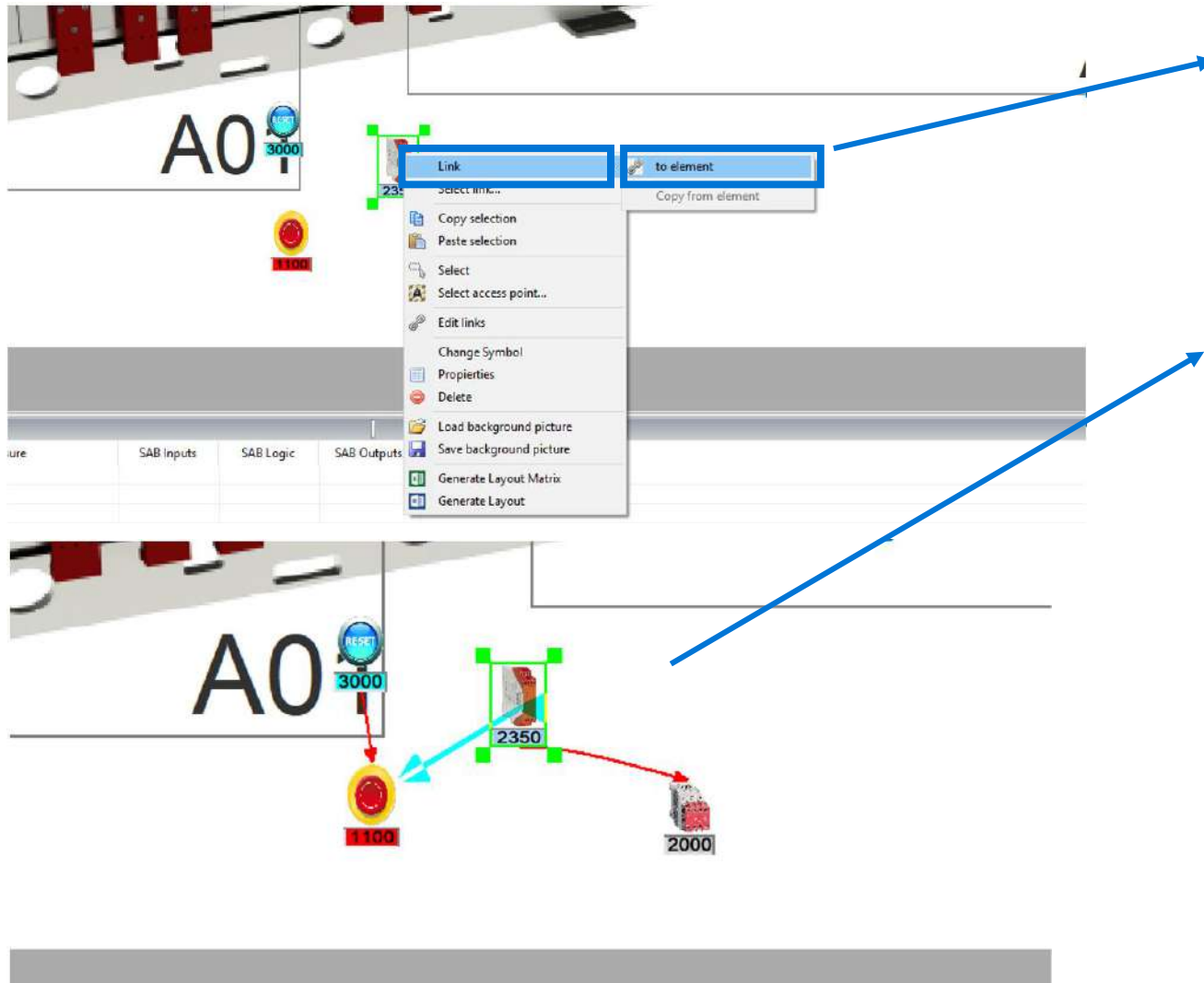
1. Complete the following information:

- Description
- Manufacturer
- Reference
- Location

2. Click Ok

# How to create a Safety Matrix in RASWin?

## Architecture: Input + Safety Relay + Output

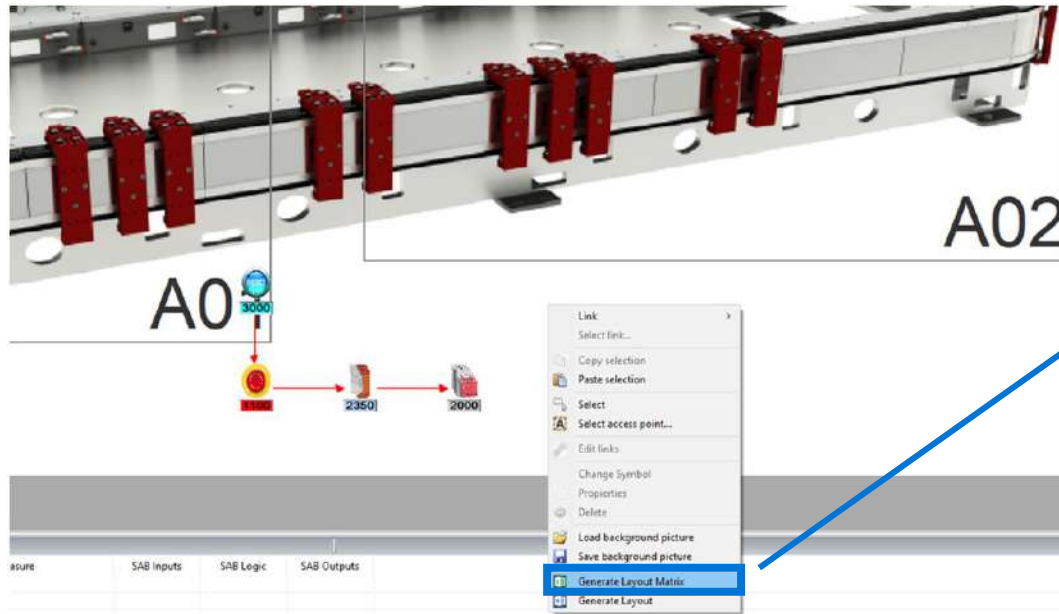


1. Select the Safety Relay, and right click.
2. Click “link”.
3. Click “to element” (the mouse cursor will change to a cross).
4. Link it with the inputs and the outputs.
5. The links will be displayed in red color.
6. Press “Esc” button or right mouse button to stop link.
7. Link the Reset with the EStop

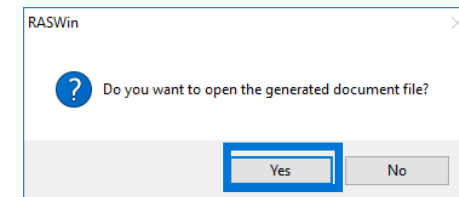
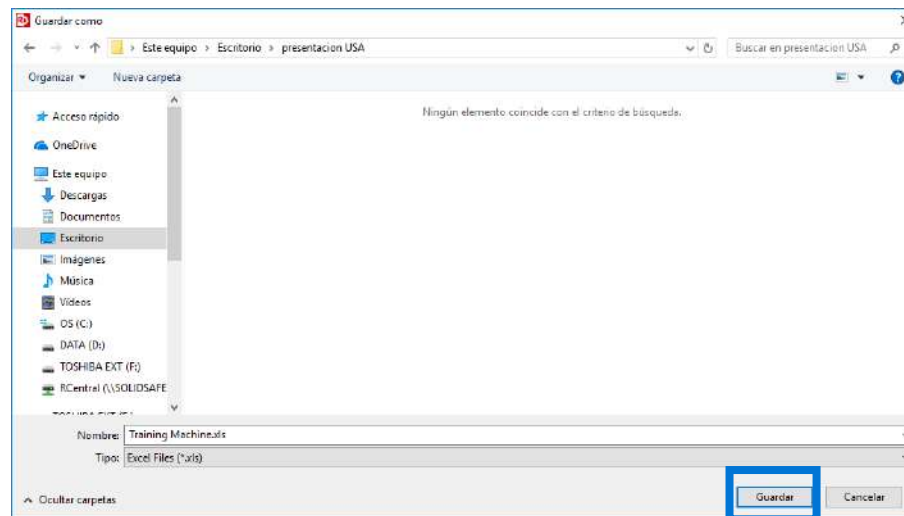
Step 3: Link the elements

# How to create a Safety Matrix in RASWin?

Architecture: Input + Safety Relay + Output



1. Right click anywhere on the layout.
2. Select *“Generate Layout Matrix”*.
3. Save the Matrix.
4. And click *“Yes”*, to open the Safety Matrix.



# How to create a Safety Matrix in RASWin?

Architecture: Input + Safety Relay + Output

Once the file is opened, the following safety matrix will appear .


	B	C	D	E	F	G
<b>SAFETY MATRIX</b>						
CODE	INPUT ELEMENT DESCRIPTION	USER CODE	OUTPUT	RESET		
			Acces Point 2			
			Auxiliar contactor 1			
			2000			
			KA1			
1100	Central EStop	PBE-1	OFF		R3000	

## Previous Presentation

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RASWIN Module SRS  
Input + Output

[SOLIDSsafe]




The slide features a blue vertical bar on the left and a blue vertical bar on the right. A light blue arrow points from the left bar towards the text. At the bottom, there is a logo for SOLIDSsafe and a logo for RAS Risk Assessment Software.

## Next Presentation

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RASWIN Module SRS  
Input + Configurable Safety Relay + Output

[SOLIDSsafe]



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