

Trip Actuator

Attributes	Definition
See physical device template (Device.wb3) for attributes	
Behaviors	
Actuate ()	
Function Name	The identification of the function under review.
Actuator Type	The description of how the actuator performs its function (e.g., mechanical relay, solid-state current interrupter)
Inputs	
Input Description	The input signals including the electrical and encoding characteristics and maximum and minimum values.
Process	
Type of state change	The form of transition between states (e.g. make before break, break before make)
Required state transitions	A description of which states must be reachable from each state
Performance	
Response Time	The time required after an abrupt change input until the output comes to rest at its new value
Outputs	
Trip Outputs	The output signals or commands to be provided by the device
Local Displays	The displays provided on the device to indicate the status of the actuation function.
Remote Outputs	The output signals to remotely indicate the status and results of the actuate function, including electrical and encoding characteristics and max. and min. values.
Test ()	
Inputs	
Manual Controls	The operator controls over test performance
Process	
Test Process	The description of the testing to be performed including sequencing, and scheduling.
Outputs	
Functional Outputs	The condition the normal outputs assume during testing.
Local Displays	The displays provided on the device to indicate the status and results of the test function.
Remote Outputs	The output signals to remotely indicate the status and results of the test function, including electrical and encoding characteristics and max. and min. values.

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Attributes	Typical Source of Constraints	Typical Location of Constraints	Comments
See physical device template (Device.wb3) for attributes			
Behaviors			
Actuate ()			
Function Name	Accident analysis assumptions	Protection System Specification	
Actuator type	Design Description	Protection System Specification	
Inputs			
Input Description	Design Description	Interface Specification	
Process			
Type of state change	Design decision	Protection System Specification	
Required state transitions	Design decision	Protection System Specification	
Performance			
Response Time	Function response time requirements	Protection System Specification	
Outputs			
Trip Outputs	Interface requirements	Protection System Specification	
Local Displays	Task Analysis	Protection System Specification	
Remote Outputs	Task Analysis	Protection System Specification	
Test ()			
Inputs			

Manual Controls	Maintenance Task Analysis	Protection System Specification
Process		
Test Process	Integrity Strategies	
Outputs		
Functional Outputs	Maintenance Task Analysis	Protection System Specification
Local Displays	Maintenance Task Analysis	Protection System Specification
Remote Outputs	Task Analysis	Protection System Specification
Trip Actuator		
Attributes	Safety Constraint	Source
See physical device template (Device.wb3) for attributes		
Behaviors		
Actuate ()		
Function Name		
Actuator Type		
Inputs		
Input Description		
Process		
Type of state change		
Required state transitions		
Performance		
Response Time		
Outputs		
Trip Outputs		
Local Displays		
Remote Outputs		
Test ()		
Inputs		
Manual Controls		
Process		
Test Process		
Outputs		
Functional Outputs		
Local Displays		
Remote Outputs		