

MultiPositionValveActuator Tango Cpp Class

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MultiPositionValveActuator Class Identification :

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Class Family : Controllers

Platform : All Platforms

Bus : Not Applicable

Manufacturer :

Manufacturer ref. :

MultiPositionValveActuator Class Inheritance :

- [Tango::DeviceImpl](#)
 - MultiPositionValveActuator

MultiPositionValveActuator Class Description :

This device allows to control an interchim multi position Valve Actuator

MultiPositionValveActuator Properties :

There is no class properties

Device Properties			

Name	Description	Type	Default Value
SerialName		String	none

MultiPositionValveActuator Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its <i>device_state</i> data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its <i>device_status</i> data member) and returns it to the caller.

Command State :

This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

State Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::DEV_STATE	State Code
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Status :

This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

Status Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::CONST_DEV_STRING	Status description

DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

MultiPositionValveActuator Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
position	false	false	Scalar	READ_WRITE	Tango::DEV_SHORT	OPERATOR	
rotationDirection	false	false	Scalar	READ_WRITE	Tango::DEV_SHORT	OPERATOR	0 for clockwise\n1 for counterclockwise\n2 for the shortest route

There is no dynamic attribute defined.

Attribute position :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_SHORT
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at	Not set

Attribute Properties	
label	valve position
unit	
standard unit	
display unit	
format	
max_value	10
min_value	1
max_alarm	
min_alarm	
max_warning	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set

init.	
Read allowed for	All states
Write allowed for	All states

min_warning	
delta_time	
delta_val	

Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute rotationDirection :

0 for clockwise\n1 for counterclockwise\n2 for the shortest route

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_SHORT
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	2
min_value	0
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set



MultiPositionValveActuator Class States	
Name	Description
STANDBY	The power is STANDBY
FAULT	
MOVING	The gate is MOVING