

## 10. Butterfly Valve Assemblies

# 2" ... 4" 2 and 3-Way SR SmartX Actuators

### Specifications

Actuator Code 556, 556D (Mx41-7153 Series)

Power Loss Mode	Spring return
Control Signal	On/off, floating, or proportional 2...10 Vdc., 4...20 mA with the addition of a 500 ohm resistor
Power Requirements	24 Vac ± 20%, 22...30 Vdc, 9.7VA.
Environment	NEMA 2
Ambient Temperatures	-22...140 °F (-12...60 °C).
Regulatory Compliance	c-UL-us LISTED mark and CE mark.
Manual Operator	Provided on single mount units.
Option	Auxiliary switches 7 A @250 Vac.



SmartX Spring Return  
Mx41-7153 Actuator



Model Number	Actuator Code	Power	Input Signal	Feedback	Power Loss Mode	Accessories
MA41-7153	556 or 556D <sup>b</sup>	24 Vac	On/off	-	SR	-
MF41-7153			Floating			
MS41-7153			2 to 10 Vdc	2 to 10 Vdc		
MA41-7153-502			On/off	-		
MF41-7153-502			Floating			
MS41-7153-502			2 to 10 Vdc			2 to 10 Vdc

a - Optional. The first part number field of the valve assembly must call out VxxS-6xxx. Note models with 556D actuator code that require auxiliary switch option will ship with one actuator without switches and one actuator with auxiliary switches.

b - 556D = Dual Actuators



Non-Spring Return  
NR-22xx-5xx Actuator

# NR-22xx 2" ... 6" 2 and 3-Way NSR Actuators

Model Number	Actuator Code	Power	Input Signal	Feedback	Power Loss Mode	Accessories
NR-2216-521	E24	24 Vac	On/off, floating	-	NSR	-
NR-2216-522						Two SPDT Auxiliary Switches <sup>a</sup>
NR-2216-541			0...10 Vdc , 4...20 mA	0...10 Vdc		-
NR-2216-542						Two SPDT Auxiliary Switches <sup>a</sup>
NR-2224-521	E25 or E25D <sup>b</sup>	24 Vac	On/off, floating	-	NSR	-
NR-2224-522						Two SPDT Auxiliary Switches <sup>a</sup>
NR-2224-541			0...10 Vdc , 4...20 mA	0...10 Vdc		-
NR-2224-542						Two SPDT Auxiliary Switches <sup>a</sup>

a - Optional. The first part number field of the valve assembly must call out VxxS-6xxx. Note models with E25D actuator code that require auxiliary switch option will ship with one actuator without switches and one actuator with auxiliary switches.

b - E25D = Dual Actuators

### Specifications

Actuator Code E24, E25, E25D (NR-2000 Series)

Power Loss Mode	Non-spring return.
Control Signal	On/off, floating, or 2 to 10 Vdc, 4...20 mA.
Power Requirements	20 to 30 Vac, 24 Vdc ± 10% NR-2216 6.5VA, NR-2224 7.5VA
Environment	NEMA 2.

Ambient Temperatures	-4 to 122 °F (-2 to 50 °C).
Regulatory Compliance	UL, CSA, CE.
Optional Auxiliary Switch	2 SPDT 24 Vac 1.5 A inductive, 3 A resistive, 35 VA per switch.
Manual Operator	Provided on all models.