MP300-SRU/SRD Floating and Proportional Multi-Signal Actuators

Spring Return Multi-signal Actuators for VP228E/VP229E SmartX PIBCV, DN10-32 (½"-1¼")

Product Description

MP300-SRU/SRD actuators with Floating and Proportional control are low voltage motoric actuators for the SmartX PIBCV DN10-32 (½"…1¼") Valves. These actuators have a spring return safety function that provides for an open or close valve in the event of power loss. The Spring return safety function should not be used for two position control.

Features

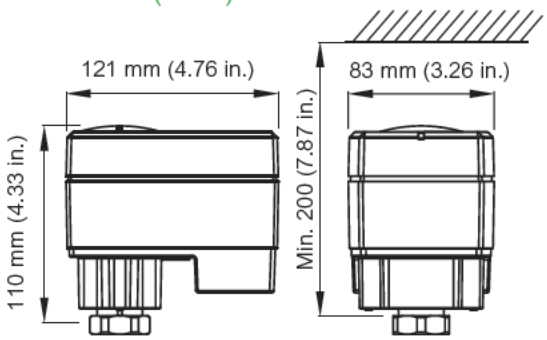
- The advanced design incorporates load related 'switch-off' to ensure that actuators and valves are not exposed to overload.
- The advanced design incorporates a diagnostic LED, operational data capture and self stroking feature.
- Low weight and robust.
- Spring Return operation in the event of power failure.

Specifications

Power supply	24 V (–15…+10%) AC
Power consumption	9 VA
Frequency	50/60 Hz
Control input Y	0…10 (2…10) V 0…20 (4…20) mA
Output signal U	0…10 (2…10) V
Closing force	300 N
Max. stroke	5.5 mm
Speed	11.75 (60 hz) s/mm 14 (50 hz) s/mm
Max. medium temperature	120 °C
Ambient temperature	0 … 55 °C
Storage and transport temp.	–40 … 70 °C
Grade of enclosure	IP 54
Weight	0.8 kg
Standards	
Heat	IEC 60068-2-2
Humidity	IEC 60068-2-3
Cold	IEC 60068-2-1
Vibration	IEC 60068-2-6

Regulatory Compliance: c-UL-us LISTED mark compliance per UL 60730-1 & -2-14 and CAN/CSA E60730-1 & -2-14. CE mark compliance per directives [2014/35/EU] LVD, [2014/30/EU] EMC, and [2011/65/EU] RoHS2. RCM mark compliance for Australia/ New Zealand community.

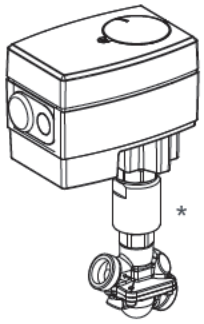
Dimensions (mm)



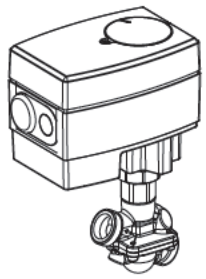
Actuator Valve Combinations

MP300-SRU for a normally open valve.

MP300-SRD for a normally closed valve.



MP300-SRU + VP228E, VP229E



MP300-SRD + VP228E, VP229E

Part Numbers

Part Number	Spring Return Direction	Linkage (included with actuator)
MP300-SRU	Up - Normally Open	Adapter *
MP300-SRD	Down - Normally Closed	Spacer

* Total height of the valve/actuator assembly increases with the use of the Adapter model.