Product datasheet

Specifications



SpaceLogic MP500C Actuator for PIBCV Valves, Multi-Signal Control, Non-Spring Return, 24 Vac/Vdc, 500N.

MP500C

Main

Actuator product range	SmartX Actuator
Product or component type	Actuator
Actuator type	Electric
Actuator product series	MP500C
Product destination	pressure independent control valves
Motor type	Brushless DC motor
Transformer rated power in VA	50 VA
Power consumption in VA	15 VA AC
Power loss return	Non-spring return
Control signal	Floating Proportional/modulating
Conduit connection	Conduit connector holes
Targeted region	Europe Asia Pacific. North America. Australia.

Complementary

Actuator	Linear
Control type	Automatic reset
Switch function	2 SPDT (optional)
rated supply voltage	24 V AC/DC
Analogue input range	0...10 V DC
Feedback signal	2...10 V DC
Stroke auto calibration	True
Electrical insulation class	Class III
Force N	500 N
Force lbf	113 lbf
Additional features	Field selectable floating input signal travel time
Leads and connections	Terminal block
Stroke running time	15 s

Environment

IP degree of protection	IP54

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Ambient air temperature for operation	-10…50 °C
Relative humidity	0…90 % RH, non-condensing
Ambient air temperature for storage	-25…65 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.4 cm
Package 1 Width	18 cm
Package 1 Length	13.4 cm
Package 1 Weight	1.86 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**227 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**100 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**3 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**120 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**3 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**4f394b28-50f5-47f5-b920-ba35e4bef3da**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**

Use Again

Repack and remanufacture

Recyclability potential, in %	**79**
End of life manual availability	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**