

MAGNETOSHAPE® actuator kit



Applications

- Demonstration of magnetic shape-memory actuator technology
- R&D studies and prototype development

Features

- Return element with permanent solenoids, which works antagonistically to the MAGNETOSHAPE® actuator
- Enables fast switching
- High blocking force
- Plug-and-play electronics with built-in power supply and various operating modes available as option

Technical data

MAGNETOSHAPE® actuator

Maximum force	10 - 15 N
Maximum stroke	0.45 - 0.95 mm
Maximum operating frequency	60 Hz
Actuator type	Monostable
Thermal operating range	0 °C - 45 °C (MAGNETOSHAPE® material)
MAGNETOSHAPE® element size	x = 2 mm y = 3 mm, 4 mm, 5 mm z = 10 mm, 15 mm, 20 mm

Plug-and-play electronics

Nominal voltage	110 - 230 V (electronics)
Connector	IEC 60320-C14
Manual operation	Push button
Frequency setting	Potentiometer
External control	Digital input (0 - 5 V)
Overheat protection	Temperature sensors

Detailed information requested?

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