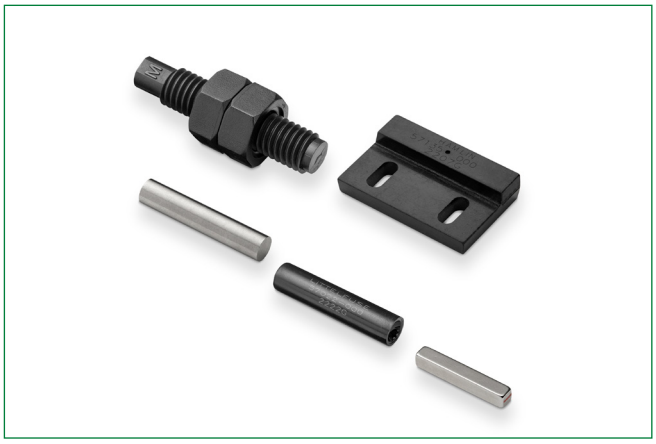
Magnetic Actuators

RoHS



Description

Littelfuse offers a wide range of magnetic actuators that are packaged in shapes similar to the relative mating sensors. We also offer a limited family of bare magnets with various grades of materials, including ferrite (ceramic), AlNiCo and neodymium iron boron (NdFeB) materials.

Rectangular Actuators

These rectangular bare magnets and packaged actuators are ideally suited for mounting on a flat surface. They are suitable for use in a wide range of environments, including high-temperature applications.

Product Series	Description	Overall Dimensions mm (inch) L x W x H	Material	Retentivity Gauss	Coercivity Oersted	Recommended Operating Temp. °C Max.
H-31	AlNiCo Magnet	12.70 (0.500) x 1.60 (0.062) x 1.60 (0.062)	AlNiCo-5	10,900	620	450
H-32	AlNiCo Magnet	25.40 (1.000) x 4.80 (0.190) x 4.80 (0.190)	AlNiCo-5	10,900	620	450
H-33	AlNiCo Magnet	19.10 (0.750) x 3.20 (0.120) x 3.20 (0.120)	AlNiCo-5	10,900	620	450
H-34	AlNiCo Magnet	25.40 (1.000) x 6.35 (0.250) x 6.35 (0.250)	AlNiCo-5	10,900	620	450
H-40	Neodymium Magnet	7.62 (0.300) x 3.18 (0.125) x 3.18 (0.125)	NdFeB 45H	13,300	11,800	120
H-41	Neodymium Magnet	19.05 (0.750) x 3.18 (0.125) x 3.18 (0.125)	NdFeB 35H	11,700	10,800	120
H-58	Neodymium Magnet	21.00 (0.827) x 7.00 (0.276) x 4.70 (0.185)	NdFeB 35H	11,700	10,800	120
57105	Actuator for Terminal Flange Mount Sensor	40.17 (1.582) x 19.05 (0.750) x 6.35 (0.250)	AlNiCo-5	11,000	620	105
57125	Actuator for Pinned Flange Mount Sensor	28.57 (1.125) x 19.05 (0.750) x 6.35 (0.250)	AlNiCo-5	11,000	620	105
57135	Actuator for High-Temp Flange Mount Sensor	28.57 (1.125) x 19.05 (0.750) x 6.35 (0.250)	AlNiCo-5	12,800	640	150
57140	Actuator for Mini Flange Mount Sensor	23.00 (0.906) x 14.00 (0.551) x 6.00 (0.236)	AlNiCo-5	11,000	620	105
57141	Actuator for Mini Flange Mount Sensor	23.00 (0.906) x 14.00 (0.551) x 6.00 (0.236)	AlNiCo-5	11,000	620	105
57142	Actuator for Mini Flange Mount Sensor	23.00 (0.906) x 14.00 (0.551) x 6.00 (0.236)	NdFeB 35H	11,700	10,800	105
57143	White Actuator for Mini Flange Mount Sensor	23.00 (0.906) x 14.00 (0.551) x 6.00 (0.236)	AlNiCo-5	11,000	620	105
57145	Actuator for Flange Mount Sensor	28.57 (1.125) x 19.05 (0.750) x 6.35 (0.250)	AlNiCo-5	11,000	620	105
57150	Actuator for Flange Mount Sensor	28.57 (1.125) x 19.05 (0.750) x 6.35 (0.250)	AlNiCo-5	11,000	620	105
57155	Actuator for Subminiature Flange Mount Sensor	12.70 (0.500) x 7.00 (0.276) x 3.00 (0.118)	NdFeB 35H	11,700	10,800	105
57045	Actuator for Mini PCB Mount Overmolded	17.78 (0.700) x 3.30 (0.130) x 4.32 (0.170)	AlNiCo-5	11,000	620	105
57050	Actuator for PCB Mount Overmolded	22.86 (0.900) x 4.57 (0.180) x 4.57 (0.180)	AlNiCo-5	11,000	620	105

Cylindrical Actuators

Designed for mounting on a frame, these cylindrical bare magnets and packaged actuators are appropriate for use in a wide range of environments, including high-temperature applications.

Product Series	Description	Overall Dimensions mm (inch) Ø x L	Material	Retentivity Gauss	Coercivity Oersted	Recommended Operating Temp. °C Max.
H-35	Neodymium Magnet	6.35 (0.250) x 6.35 (0.250)	NdFeB 35H	11,700	10,800	120
H-48	Neodymium Magnet	4.40 (0.173) x 6.00 (0.236)	NdFeB 35SH	11,700	10,800	150
CM-1	Ceramic Magnet	12.70 (0.500) x 5.08 (0.200)	Ceramic-5	3,900	2,400	250
H-36	AlNiCo Magnet	4.60 (0.182) x 25.40 (1.000)	AlNiCo-5	12,800	640	450
57020	Actuator for Mini Cylindrical	5.10 (0.201) x 15.24 (0.600)	AlNiCo-5	11,000	620	105
57022	Actuator for Cylindrical	5.80 (0.228) x 25.40 (1.000)	AlNiCo-5	11,000	620	105
57025	Actuator for Cylindrical	6.22 (0.245) x 25.40 (1.000)	AlNiCo-5	11,000	620	105
57040	Actuator for Cylindrical with Retaining Ribs	10.70 (0.420) x 31.00 (1.220)	NdFeB 35H	11,700	10,800	105
57041	Actuator for Cylindrical with Retaining Ribs	10.70 (0.420) x 31.00 (1.220)	AlNiCo5	11 000	620	105
57060	Actuator for Stainless Steel Threaded Barrel Sensor	M8 x 1.25 Pitch x 36.00 (1.420)	AlNiCo-5	11,000	620	105
57065	Actuator for Threaded Barrel Sensor (Standard)	(5/16 x 24) Pitch x 38.10 (1.500)	AlNiCo-5	11,000	620	105
57070	Actuator for Threaded Barrel Sensor (Metric)	M8 x 1.25 Pitch x 38.10 (1.500)	AlNiCo-5	11,000	620	105
57075	Actuator for Heavy Duty Threaded Barrel Sensor	M12 x 1.00 Pitch x 46.00 (1.810)	Ceramic-2	2,900	2,400	105

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Revised: GD. 06/16/23