

Energy Harvesting Generators

AFIG series

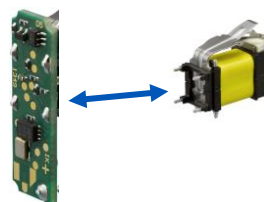


Features – Generators

- Inductive generator: The energy required for data transmission is created by the mechanical actuation of the switch
- Miniature design combined with extremely high energy output
- Long mechanical life
- Monostable design: Switching mechanism returns to starting position after release (pushbutton)
- Bistable design: Switching mechanism with two rest positions (e.g. On/Off switch)
- Generators are equipped with soldering pins to add a PCB for RF communication

Standard parts

AFIG-0007 AFIG-0010



Technical Data – Generators

	Generator – monostable AFIG-0007	Generator – bistable AFIG-0010
Dimensions	20.1 x 7.3 x 14.3 mm	20.1 x 7.3 x 19.3 mm
Energy generated	2x typ. 0.33 mWs (per push and release)	1x typ. 0.33 mWs
Lifetime (mechanical)	1,000,000 operations	100,000 operations
Operating force	typ. 9 N	typ 7 N
Temperature range	-20 to +65 °C	-20 to +65 °C