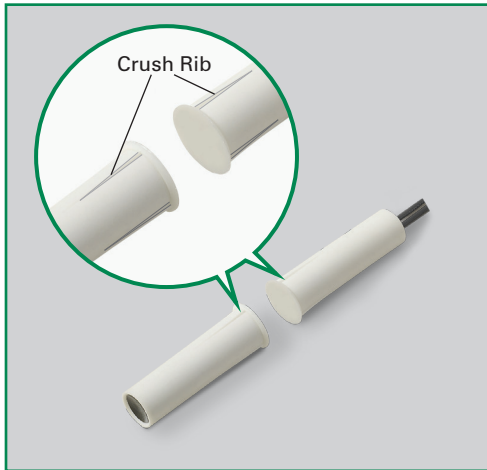


# Position/Proximity Sensing

## 59040 Series Press-Fit Reed Sensor & 57040 Matching Actuator



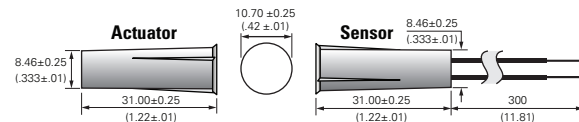
Three crush ribs, equally spaced on the outside diameter, compress when inserted into a mating hole.



### List of Firecracker Series and Key Features from Littelfuse

Series Name	Dimension (mm) Ø x L	Sensitivity	Installation¹	Contact Type Options
59040	8.46 x 31.00	High	No attachment accessories required	A, B, C
59010	3.13 x 9.00	Low	Attachment accessories required	A
59020	5.10 x 15.24	Low	Attachment accessories required	A
59021	5.10 x 15.25	Low	Attachment accessories required	A
59022	5.80 x 25.4	Medium	Attachment accessories required	A, B, C
59025	6.22 x 25.4	Medium	Attachment accessories required	A, B, C
59030	6.22 x 38.10	Medium	Attachment accessories required	A, B, C

¹ Attachment accessories not provided



### Benefits

- Ribs on capsule compress when inserted into a mounting hole and provide retaining force
- Quick and easy press-fit installation that requires no screws, brackets, or glue
- Non-contact solution, aesthetically more appealing than push-button or lever mechanical-type switches
- Ideal for battery-powered applications as the contacts do not draw power when in the non-activated state
- Reed contacts last for millions of operating cycles

### Example Applications

Door and window open/close detection in Security Systems

Door and lid open/close detection in Home Appliances

Hydraulic cylinder position sensing in Industrial Equipment

Elevator floor and door position sensing



### Features

- Cylindrical capsule with retaining ribs
- Press fits into a standard drill size hole of 9.5mm (.375" or 3/8" drill) diameter
- Capable of switching up to 200Vdc at 10W
- Operates through non-ferrous materials, such as wood, plastic or aluminum
- THREE standard sensitivity ranges, custom sensitivities available
- Custom cable length and connector options available
- 57040 matching actuator (sold separately)
- UL Recognized Component

	Markets		
	Security	Industrial	Appliance
Applications	Door open/close detection	Hydraulic cylinder position detection	Door and lid open/close detection
	Window open/close detection	Control panel door open/close detection	Detergent tray position detection
	Access gate position detection	Loading dock door position detection	Refrigerator/Freezer door open detection
		Equipment service panel open/close detection	Blender/Food Processor cover position detection
		Automation equipment tray position detection	