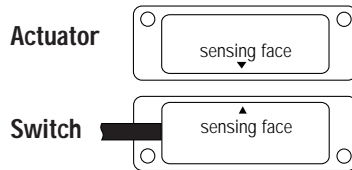
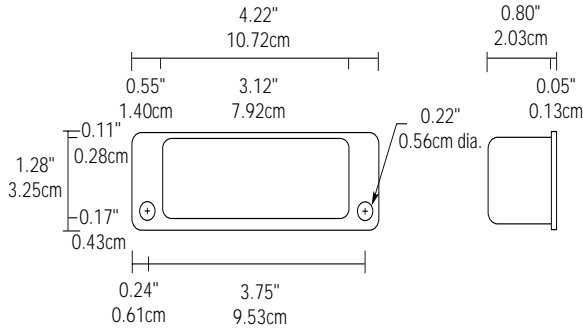
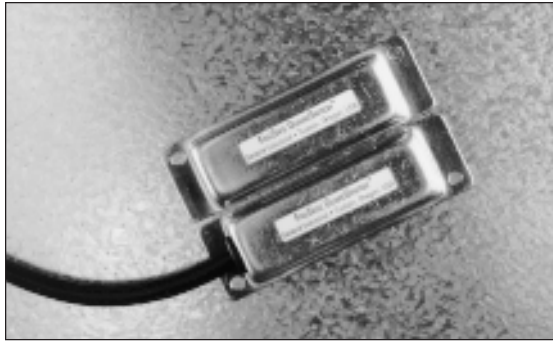


291-F6 & F7 GuardSwitch

Patented Non-Contact Safety Interlock Switch



APPLICATIONS

- Requiring a "Fail-Safe" Switch
- Waste Compactors
- Mixers, Blenders and Dryers
- Packaging Machinery
- Food Products Machinery
- Wash Down and Corrosive Environments

General Specifications

Enclosure	Seamless 304 Stainless Steel
Temperature Range	-40°F to 150°F (-40°C to 65°C)
Environmental	Hermetically Sealed Contact Switch Encapsulated in Polyurethane
NEMA Rating	1, 2, 3, 4, 4X, 5, 6, 12, 12K
Protection Class	IP 67
Response Time	5 msec
Life Cycles	100,000 Under Full Load; Up to 200,000,000 Under Dry Circuit
Lead Types/O.D.	SJTOW-A (K) 18/3 AWG / 0.33" (0.84cm)
UL/CSA	All Models

Note: The 291-F6 has a patented "watch-dog" circuit which, when switch failure occurs, the fused watch-dog circuit will draw 2.5 Amps. The voltage supply must have a current capacity of 2.5 Amps. The 291-F7 has a patented "watch-dog" circuit which, when switch failure occurs, the fused watch-dog circuit will draw 4 Amps. The voltage supply must have a current capacity of 4 Amps. This results in an open, fail-safe condition. This results in an open, fail-safe condition.



File E 122942



LR89176

ORDER INFORMATION	ELECTRICAL SPECIFICATIONS								
Part Number	Contact ¹ Configuration	Load Rating (AC/DC)	Voltage Range (AC/DC)	Switch Current Max. (AC/DC)	Contact Resistance	Sense Range ² Nominal	Break Range Nominal	Break at Failure Max.	Lead Length
291-F6Z-06K	N.O.	12W / VA	24 ± 4V	0.5A	0.5 Ohms	0.9" (2.3cm)	2.2" (5.6cm)	3.0" (7.6cm)	6' (1.8m)
291-F6Z-12K	N.O.	12W / VA	24 ± 4V	0.5A	0.5 Ohms	0.9" (2.3cm)	2.2" (5.6cm)	3.0" (7.6cm)	12' (3.6m)
291-F7Z-06K	N.O.	100VA	100-120V AC	0.83A	0.5 Ohms	0.9" (2.3cm)	1.7" (4.3cm)	2.6" (6.6cm)	6' (1.8m)
291-F7Z-12K	N.O.	100VA	100-120V AC	0.83A	0.5 Ohms	0.9" (2.3cm)	1.7" (4.3cm)	2.6" (6.6cm)	12' (3.6m)
190-Z	Actuator Only								

Warning— Each electrical rating is an individual maximum and cannot be exceeded!

¹ Configuration with actuator away from the switch

² Proximity of ferrous materials usually reduces sense range — typically by 50%. The shape and type of material cause a wide diversity of effects. Testing is required to determine actual sense range for specific applications.