

Non-Contact Interlock/Position Switch

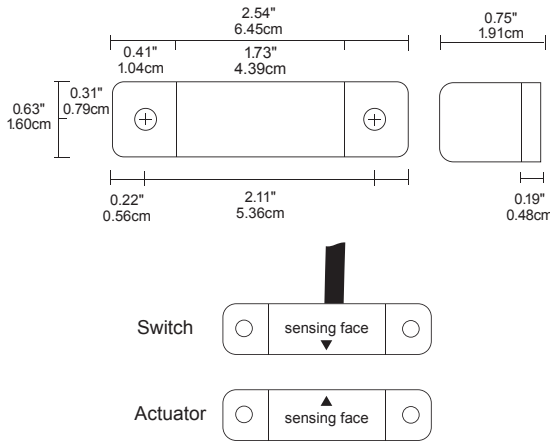
115 GuardSwitch

Applications

- Packaging Industry
- Farm Equipment
- Waste Compactors
- Emergency Vehicles
- Position Sensing

General Specifications

Enclosure	Nylon 6/6
Temperature Range	-40°F to 180°F (-40°C to 80°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	1msec; 10 msec (150VA)
Life Cycles	100,000 Under Full Load; Up to 200,000,000 Under Dry Circuit
Lead Types/O.D.	18/2 SJTOW (K) / 0.30" (0.76cm) 18/3 SJTOW (K) / 0.33" (0.84cm) 18/4 SJTOW (K) / 0.34" (0.86cm)
UL/CSA	All Models



Order Information

Electrical Specifications

Part Number	Contact ¹ Config.	Load Rating		Switching Voltage, Max.		Switching Current, Max.		Contact Resistance	Sense Range ²		Break Range Nominal	Lead Length
		AC	DC	AC	DC	AC	DC		Nominal	Nominal		
115-3Y-12K	N.C.	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A (@34V) ³	3.0A (@28V) ³	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	12'(3.6m)	
115-4Y-06K	SPDT	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A (@34V) ³	3.0A (@28V) ³	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	6'(1.8m)	
115-4Y-12K	SPDT	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A (@34V) ³	3.0A (@28V) ³	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	12'(3.6m)	
115-6Y-06K	N.O.	25VA	25W	120V(@0.2A)	120V(@0.2A)	0.7A (@35V)	1.0A (@25V)	0.2 Ohms	1.0" (2.5cm)	2.0" (5.1cm)	6'(1.8m)	
115-6Y-12K	N.O.	25VA	25W	120V(@0.2A)	120V(@0.2A)	0.7A (@35V)	1.0A (@25V)	0.2 Ohms	1.0" (2.5cm)	2.0" (5.1cm)	12'(3.6m)	
115-7Y-06K	N.O.	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A (@34V) ³	3.0A (@28V) ³	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	6'(1.8m)	
115-7Y-12K	N.O.	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A (@34V) ³	3.0A (@28V) ³	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	12'(3.6m)	
115-8Y-06K	N.O.	150VA	NA	120V(@1.25A)	NA	1.25A(@120V) ⁴	NA	NA	1.0" (2.5cm)	1.5" (3.8cm)	6'(1.8m)	
115-8Y-12K	N.O.	150VA	NA	120V(@1.25A)	NA	1.25A(@120V) ⁴	NA	NA	1.0" (2.5cm)	1.5" (3.8cm)	12'(3.6m)	
115-8Y-06K-SER25 ⁵	N.O.	150VA	NA	120V(@1.25A)	NA	1.25A(@120V) ⁴	NA	NA	1.0" (2.5cm)	1.5" (3.8cm)	6'(1.8m)	
115-8Y-12K-SER25 ⁵	N.O.	150VA	NA	120V(@1.25A)	NA	1.25A(@120V) ⁴	NA	NA	1.0" (2.5cm)	1.5" (3.8cm)	12'(3.6m)	
115-6Y-06K-D6	2 N.O.	25VA	25W	120V(@0.2A)	100V(@0.2A)	0.7A (@35V)	1.0A (@25V)	0.2 Ohms	1.0" (2.5cm)	2.0" (5.1cm)	6'(1.8m)	
115-6Y-12K-D6	2 N.O.	25VA	25W	120V(@0.2A)	100V(@0.2A)	0.7A (@35V)	1.0A (@25V)	0.2 Ohms	1.0" (2.5cm)	2.0" (5.1cm)	12'(3.6m)	
115-Y	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.

³ Rated at 3.0A for 6,000 cycles only. Other ratings are at 100,000 cycles.

⁴ Can withstand inrush surge up to 4 amps. Voltage Drop 1.5V, minimum switch current of 30mA.

⁵ SER25 — Maximum 25 switches in series, triac output.