

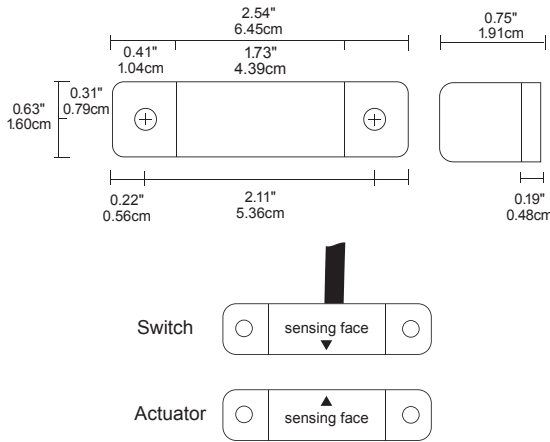
Non-Contact Interlock/Position Switch 115 GuardSwitch

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.

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