



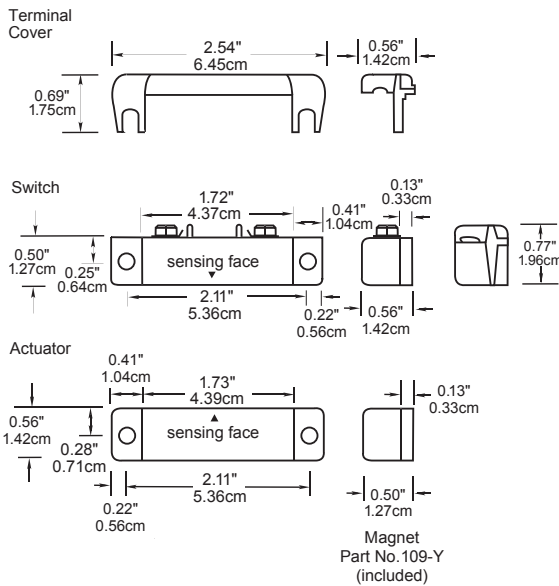
Non-Contact Interlock/Position Switch 109 GuardSwitch

Applications

- Economical Position Sensing
- Terminal Requirement
- Non-Wash Down Environments

General Specifications

Enclosure	ABS Plastic
Temperature Range	-40°F to 180°F (-40°C to 80°C)
Environmental	Hermetically Sealed Contact Switch Encapsulated in Polyurethane
NEMA Rating	1
Protection Class	IP 62
Response Time	1 msec
Life Cycles	100,000 Under Full Load; Up to 200,000,000 Under Dry Circuit
Connection	Screw Terminals
UL/CUL	All Models



File E 122942

INTERLOCK SWITCH
100 SERIES

Part Number	Electrical Specifications											
	Contact ¹ Config.	Load Rating AC	Load Rating DC	Switching Voltage, Max. AC	Switching Voltage, Max. DC	Switching Current, Max. AC	Switching Current, Max. DC	Contact Resistance	Sense Range ² Nominal	Break Range Nominal	Terminal Type	
109-3Y	N.C.	100VA	84W	120V (@0.8A)	28V (@3.0A)	3.0A (@34V) ³	3.0A (@28V) ³	1.0 Ohms	0.5" (1.3cm)	1.2" (3.0cm)	#6 screw	
109-6Y	N.O.	25VA	25W	120V (@0.2A)	120V (@0.2A)	1.0A (@25V)	1.0A (@25V)	0.2 Ohms	1.0" (2.5cm)	2.0" (5.0cm)	#6 screw	
109-7Y	N.O.	100VA	84W	120V (@0.8A)	28V (@3.0A)	3.0A (@34V) ³	3.0A (@28V) ³	1.0 Ohms	0.5" (1.3cm)	1.2" (3.0cm)	#6 screw	
109-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.