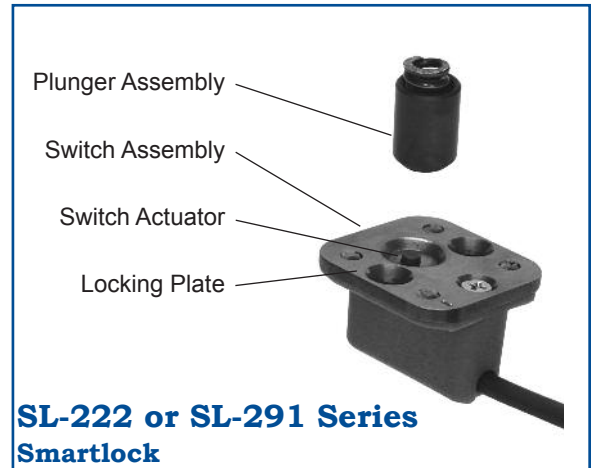


# **SMARTFLOW<sup>®</sup> SMARTLOCK<sup>®</sup> SLIDE RETAINER AND LIMIT SWITCH**

## General Description

Smartflow Smartlock Slide Retainer and Limit Switch provides a switch and slide detent in one unique package. The locking function prevents premature slide movement during molded part ejection while the SPDT switch is simultaneously actuated.

The Smartlock has been tested for reliability over 10 million cycles without failure. Two or more switches may be used for larger molds, or molds with multiple slides. Slide position verification and prevention of mold damage result when the Smartlock slide retainer and limit switch is installed in a mold. A capture screw holds the plunger in the slide to prevent loss when using the “-C” version of the switch.



## Part Numbers

Switches with 11mm/.44" dia Standard Plunger  
**SL-222-S-S**.....175°F (79.4°C) max.  
**SL-291-S-S**.....250°F (121°C) max.

Switches with 14.2mm/.56" dia Captive Plunger  
**SL-222-S-C**.....175°F (79.4°C) max.  
**SL-291-S-C**.....250°F (121°C) max.

## Specifications

Electrical .....250VAC / 28VDC  
 5 Amps Resistive  
 4 Amps Inductive

See chart below for temperature effects on maximum current rating

Rated Currents vs. Steel Temperature					
SL-222 Series			SL-291 Series		
Amps	°F	°C	Amps	°F	°C
5.0	85	29.4	5.0	100	37.7
4.0	120	49.0	4.5	155	68.3
3.0	155	68.3	4.0	210	98.8
2.0	175	79.4	3.5	250	121.1

Break Away Force .....17 to 27 lbs. (adjustable)  
 Switching .....SPDT

## Materials

Switch Body .....Glass-Reinforced Nylon  
 Locking Plate.....Hardened Steel  
 Locking Plunger.....Hardened Steel  
 Wire Leads .....22ga stranded  
 3-conductor, shielded cable  
 6 ft. (1.8m) long  
 ends stripped and tinned

