



SKORPION Trapped Key Interlocking with Key Exchange

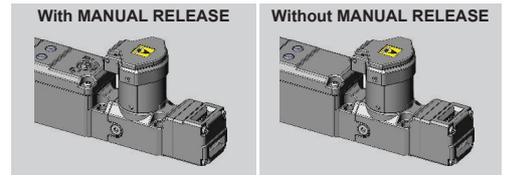
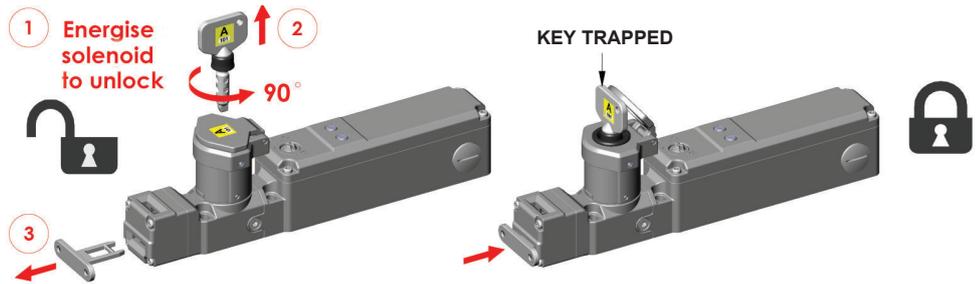
TONGUE INTERLOCK with SOLENOID RELEASE (Single Key) with ACTUATOR

SS-TS-SR

*See below for Actuator options.



All available in Stainless Steel 316 or Mirror Polished Die Cast Metal



| STAINLESS STEEL 316 MODEL | CONTACT BLOCK | CONDUIT ENTRY | SALES NUMBER | SALES NUMBER |
|---------------------------|---------------|---------------|--------------|--------------|
| SS-TS-SR | 2NC 2NO | M20 | 815001 | 815301 |
| SS-TS-SR | 3NC 1NO | M20 | 815002 | 815302 |

| DIE-CAST METAL MODEL | CONTACT BLOCK | CONDUIT ENTRY | SALES NUMBER | SALES NUMBER |
|----------------------|---------------|---------------|--------------|--------------|
| M-TS-SR | 2NC 2NO | M20 | 820001 | 820301 |
| M-TS-SR | 3NC 1NO | M20 | 820002 | 820302 |



SS-TS-SR shown with Push Button and Illuminated Emergency Stop Button.

PUSH BUTTON & ILLUMINATED STOP (Fitted to Lid)

Momentary Request Push Button 1 x Changeover Contact Common Closed/Open - Add PB to Sales Number
 2NC Illuminated Red E-Stop (twist to reset, mushroom head, plug in spade terminals) - Add ES to Sales Number
 Momentary Request Push Button and Illuminated Red E-Stop - Add PB-ES to Sales Number

SPECIFICATIONS

| | |
|-------------------------|-------------------------|
| Supply/Solenoid Voltage | 24V ac/dc |
| Holding Force | F1 max. 3000N FzH 2307N |
| Enclosure Protection | IP67 |
| Operating Temperature | -25C to +40C |
| Conduit Exit | M20 |
| Fixing | 4 x M6 |

Operating Principle

The TS-SR is a trapped key operated tongue interlock switch designed to hold closed machine guards.

When the actuator tongue is inserted into the switch (guard closed) the key can be rotated and trapped and the main safety contacts are closed (machine able to run).

The actuator tongue can only be released when the internal solenoid in the TS-SR is energised. This then enables the key to be turned and released, the safety contacts opened and the actuator tongue removed.

The key can then be used to release other devices in a trapped key system.

It can be used in conjunction with safety delay timers to allow a delay time before the solenoid is energised therefore allowing for machine run down time prior to releasing of the key and actuator tongue.

ACTUATORS FOR TONGUE INTERLOCK SWITCHES SELECTION CHART:



| SALES NUMBER | ACTUATOR TYPE |
|--------------|--|
| 140107 | A = Standard Actuator Stainless Steel 316 |
| 140108 | F = Flat Actuator Stainless Steel 316 with Plastic Cover |
| 140110 | HF = Heavy Duty Flexible Actuator Stainless Steel 316 and Die Cast |
| 140111 | HFH = Heavy Duty Flexible Actuator fully Stainless Steel 316 |

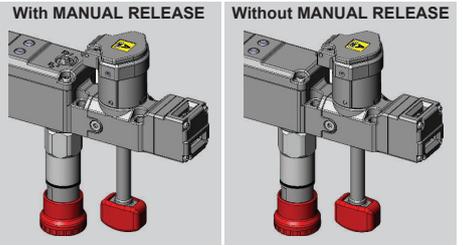
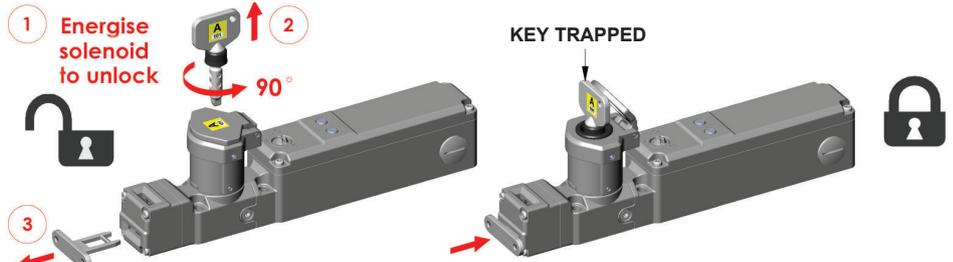
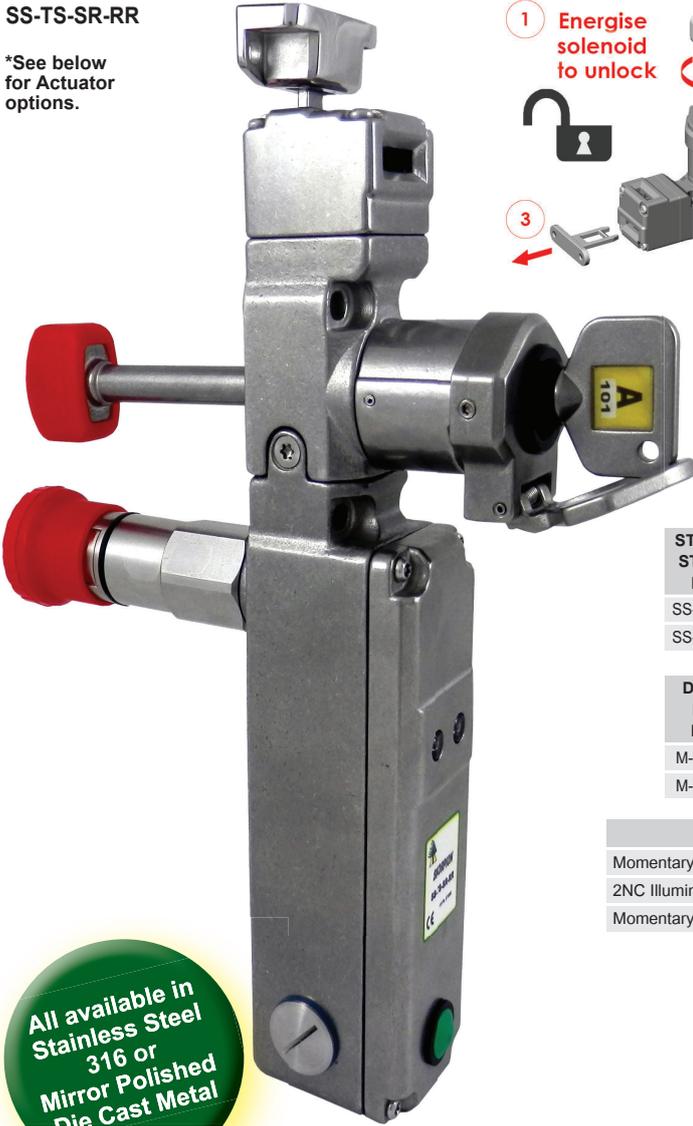


SKORPION Trapped Key Interlocking with Key Exchange

TONGUE INTERLOCK with SOLENOID RELEASE (Single Key) with REAR RELEASE ESCAPE

SS-TS-SR-RR

*See below for Actuator options.



| STAINLESS STEEL 316 MODEL | CONTACT BLOCK | CONDUIT ENTRY | SALES NUMBER | SALES NUMBER |
|---------------------------|---------------|---------------|--------------|--------------|
| SS-TS-SR-RR | 2NC 2NO | M20 | 815051 | 815351 |
| SS-TS-SR-RR | 3NC 1NO | M20 | 815052 | 815352 |

| DIE CAST METAL MODEL | CONTACT BLOCK | CONDUIT ENTRY | SALES NUMBER | SALES NUMBER |
|----------------------|---------------|---------------|--------------|--------------|
| M-TS-SR-RR | 2NC 2NO | M20 | 820051 | 820351 |
| M-TS-SR-RR | 3NC 1NO | M20 | 820052 | 820352 |

All available in Stainless Steel 316 or Mirror Polished Die Cast Metal

PUSH BUTTON & ILLUMINATED STOP (Fitted to Lid)
 Momentary Request Push Button 1 x Changeover Contact Common Closed/Open - Add PB to Sales Number
 2NC Illuminated Red E-Stop (twist to reset, mushroom head, plug in spade terminals) - Add ES to Sales Number
 Momentary Request Push Button and Illuminated Red E-Stop - Add PB-ES to Sales Number

| SPECIFICATIONS | |
|-------------------------|-------------------------|
| Supply/Solenoid Voltage | 24V ac/dc |
| Holding Force | F1 max. 3000N FzH 2307N |
| Enclosure Protection | IP67 |
| Operating Temperature | -25C to +40C |
| Conduit Exit | M20 |
| Fixing | 4 x M6 |

Operating Principle

The TS-SR-RR is the same as the TS-SR apart from it provides a manual means of escape from inside the guarded area. The red button and red knob can be used to release the lock and key simultaneously.

The red button and red knob are fitted to protrude through the guard frame to enable access to the switch from inside the hazardous area.

When the actuator tongue is inserted into the switch (guard closed) the key can be rotated and trapped and the main safety contacts are closed (machine able to run).

The actuator tongue can only be released when the internal solenoid in the TS-SR-RR is energised. This then enables the key to be turned and released, the safety contacts opened and the actuator tongue removed.

The key can then be used to release other devices in a trapped key system.

It can be used in conjunction with safety delay timers to allow a delay time before the solenoid is energised therefore allowing for machine run down time prior to releasing of the key and actuator tongue.

ACTUATORS FOR TONGUE INTERLOCK SWITCHES SELECTION CHART:



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