Safety Interlock Switches

# TL4019

## Safety Interlock Switch with Guard Door Locking

- High locking force of 1,200 N (270 lb.) locks guard door shut until machine is safe to enter
- IP67 (NEMA 6) enclosure enables the TL4019 to withstand water washdown
- Door and lock monitoring—the TL4019 has a total of 4 contacts: 2 N/C safety + 1 contact for door position monitoring + 1 contact for lock monitoring
- Rear manual release—allows unlocking of switch from inside of guarded area per ANSI/RIA R15.06
- Narrow profile enables mounting to 2 in. square tubing or in applications with space restrictions
- Rotatable head—the rotatable head of the TL4019 provides 8 actuator entry positions to satisfy most installation requirements
- Optional key release—this option on power-to-unlock models allows manual unlocking of the guard door
- Optional slide bolt with integral door handle aids installation on sliding and swinging guard doors
- A Rapid Delivery Product: Select models are available for shipment today or within 3 to 5 days

Conforms to EN60947-5-1, EN1088, EN ISO 13849-1
UL and C-UL listed
DGUV approved

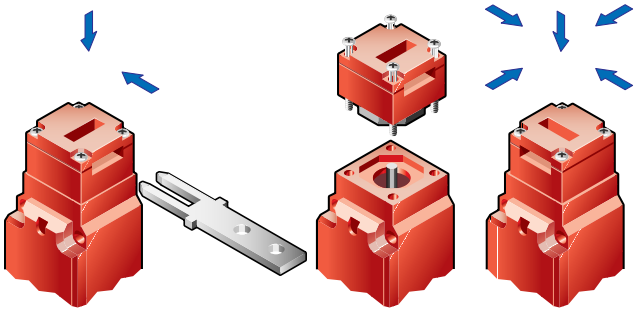
## Specifications

| **Electrical** | **All Models** | **TL4019-1 & -2** | **TL4019-3 & -4** | **TL4019-5** |
|---|---|---|---|---|
| Safety Contacts: | | 2 N/C | 2 N/C | 1 N/C |
| Auxiliary Contacts: | | 2 N/O | 1 N/O + 1 N/O<br>1 N/O + 1 N/C<br>1 N/C + 1 N/O | 1 N/C + 1 N/O |
| Switching Ability | AC: 230 V – 4 A | | | |
| | DC: 24 V – 4 A | | | |
| Safety Contact Material: | Silver alloy with gold flash | | | |
| Minimum Current: | 24 V 1 mA | | | |
| Solenoid Supply Voltage: | 24 VAC/DC or 110 VAC (all -15% / +10%) | | | |
| Solenoid Power: | 8 W | | | |
| Solenoid Rating: | 100% duty | | | |
| **Mechanical** | | | | |
| Mounting: | Any position | | | |
| Mounting Hardware: | 4 x M5 screws (not supplied) | | | |
| Min Operating Radius: | Approximately 100 mm (3.9 in.) with flex actuators | | | |
| | Approximately 1000 mm (39 in.) with flat and 90-degree actuators | | | |
| Max Holding Force: | 1200 N (270 lb.) | | | |
| Max Actuation Speed: | 20 m/min. | | | |
| Case Material: | Reinforced thermoplastic | | | |
| Actuator Material: | Stainless steel | | | |
| Wiring Entry: | 3 x M20 conduit with 0.5 in. NPT adapter | | | |
| Weight: | 500 g (17 oz.) | | | |
| Color: | Red | | | |
| Mechanical Life: | 1 x $10^6$ minimum | | | |
| **Environmental** | | | | |
| Protection: | IP67 (NEMA 6) | | | |
| Operating Temperature: | -20 to 55°C (-4 to 131°F) | | | |
| Cleaning: | Water washdown | | | |
| **Compliance** | | | | |
| Standards: | EN60947-5-1, EN1088, EN ISO 13849-1, ISO 14119 | | | |
| Approvals/Listings: | CE marked for all applicable directives, UL and C-UL, DGUV | | | |

Specifications are subject to change without notice.

Note: The safety contacts of the STI switches are described as normally closed (N/C)—i.e., with the guard closed, actuator in place, and the machine able to be started.

## Operation



### Optional Slide Bolts

- Allows easy installation of switch on machine guards
- Actuator included (order switch separately)
- Integral handle included
- Metal is ideal for heavy doors; plastic is suitable for smaller and lighter doors
- Slotted hole in bolt permits attaching multiple padlocks
- Yellow color for easy recognition

Metal Slide Bolt

Plastic Slide Bolt

### Alignment Guide

Optional stainless steel alignment guide aids actuator entry and is easily installed.

### Flat Actuator

Available with and without rubber bushings.

### 90-Degree Actuator

Available with and without rubber bushings.

### Optional Rear Release

- Allows manual rear release of a locked switch from inside a guarded area per ANSI/RIA R15.06
- May be installed on switch in conjunction with or without the use of a slide bolt
- Must use with Rear Release Switch Models only

Rear Release Actuator (Included with Rear Release Switches)

Rear Release T-Handle (Order separately)

### Optional Key Release

A key release unit is easily attached to the TL4019 to provide emergency override of the switch locking mechanism by a qualified, responsible person.

### Flexible 1 Actuator

15 degree flexibility may be adjusted with the set screw.

### Flexible 2 Actuator

15 degree flexibility may adjusted with the set scre

### Optional LED Lid Kit

Provides red and green LED indicators with user-configured operation.

### Optional Interior Lever Kit

Use with metal rear release slide bolts.

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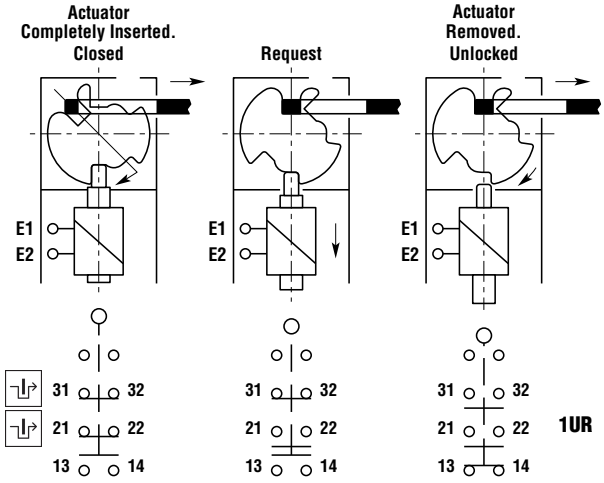
# Operation (continued)

## Contact Arrangements

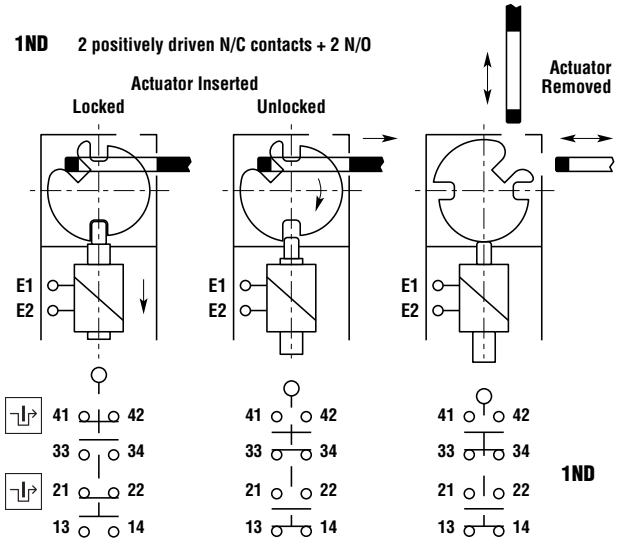
### With Unlock Request Contact

**1UR** 1 positively driven N/C contact as door unlock request contact
1 positively driven N/C contact + 1 N/O (without door contact)



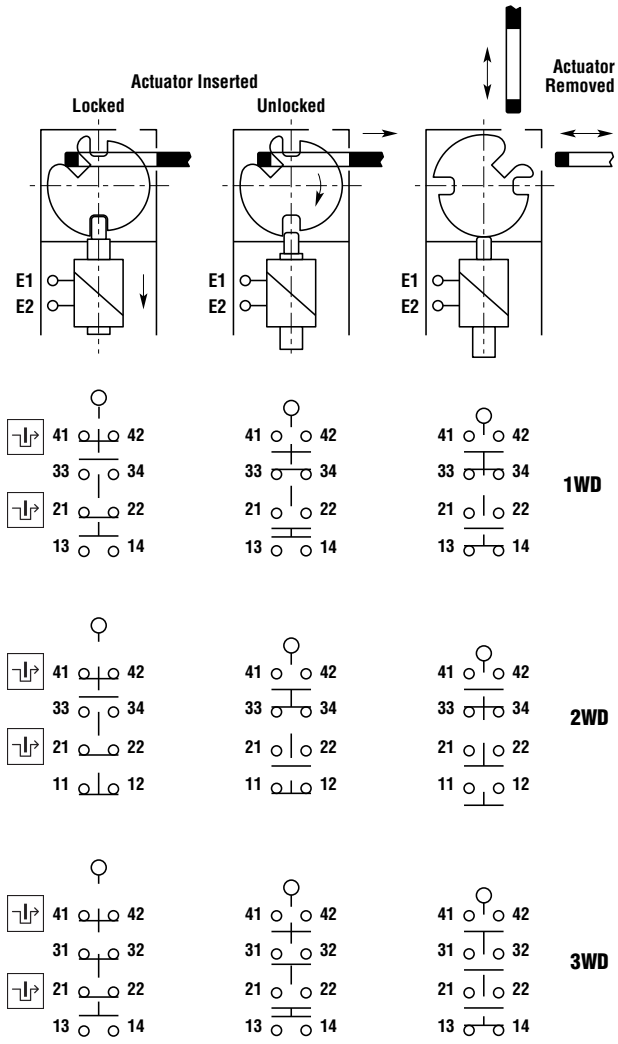

### Without Door Contact

**1ND** 2 positively driven N/C contacts + 2 N/O



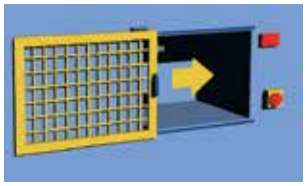

### With Door Contact

**1WD** 2 positively driven N/C contacts + 1 N/O + 1 N/O as door contact
**2WD** 2 positively driven N/C contacts + 1 N/O + 1 N/C as door contact
**3WD** 2 positively driven N/C contacts + 1 N/C + 1 N/O as door contact



## Applications

Typical applications are on sliding guard doors and swinging guard doors that must remain locked until a signal is applied to the internal solenoid that unlocks the guard door.



## Application Monitoring Units

### SR223SMT Timer Unit

Used with the TL4019 for machines with constant overrun. Gives a timed delay to the lock/release signal. Failsafe and adjustable to a range of times from 1.0 seconds up to 31 seconds.

### SR125SMS45 Stop Motion Sensing Unit

Used with the TL4019 for machines with inconstant or variable overrun. Senses back EMF of AC or DC motors. Failsafe and adjustable to a range of 0.01 V to 0.10 V.

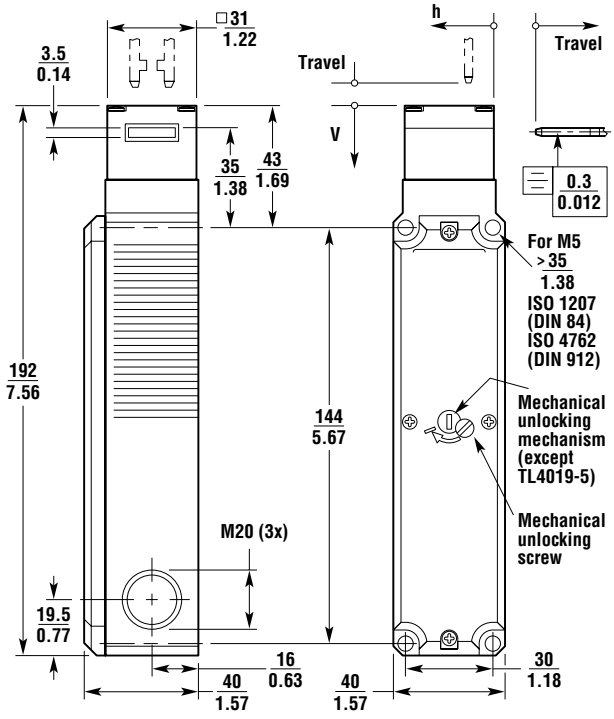
### Safety Monitoring Relay Units

Safety monitoring relays ensure a maximum level of safety by monitoring all wiring in the safety circuit, including switches and contactors. Any fault and the power to the machine is switched off. A variety of safety monitoring relay units are available.

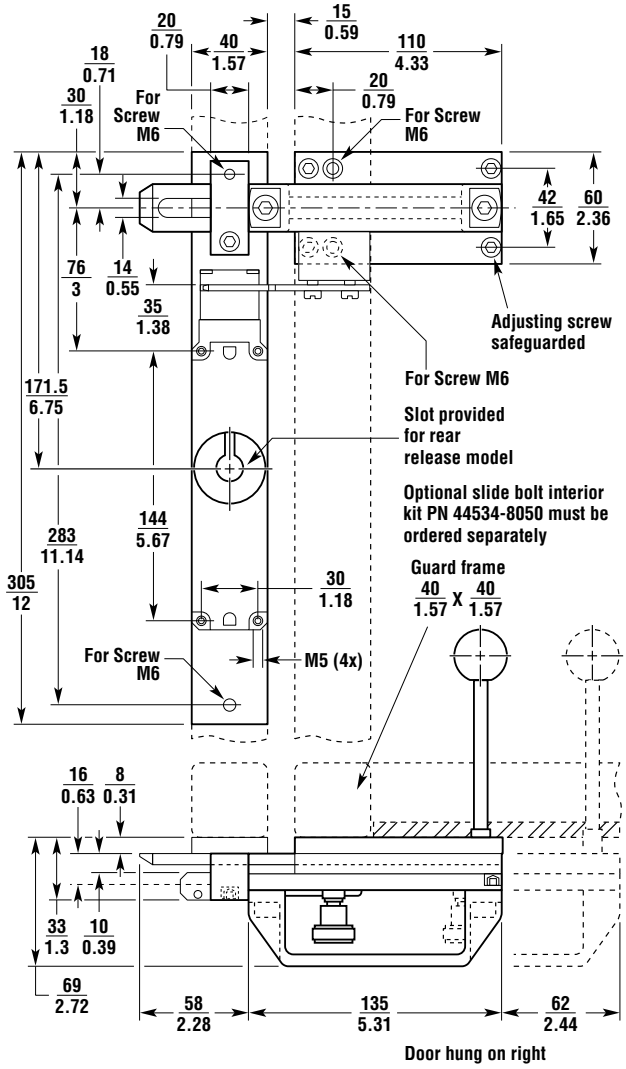
## Dimensions

(mm/in.)

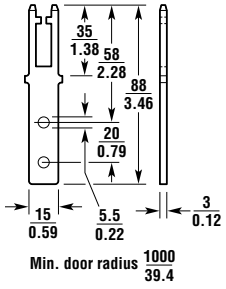
### TL4019



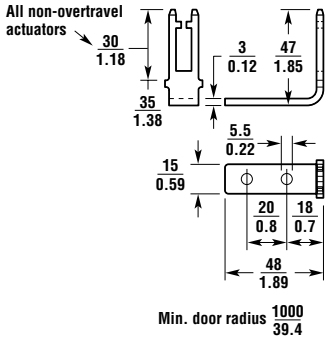

### Optional Metal Slide Bolt for TL4019



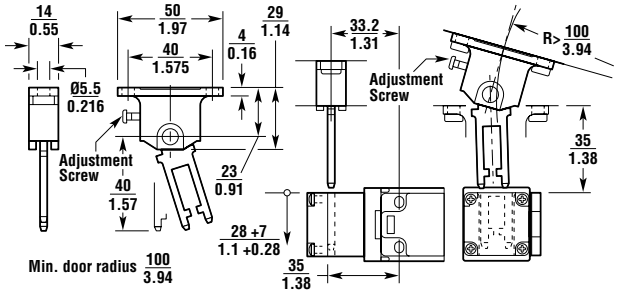

### Overtravel
### Flat Actuator



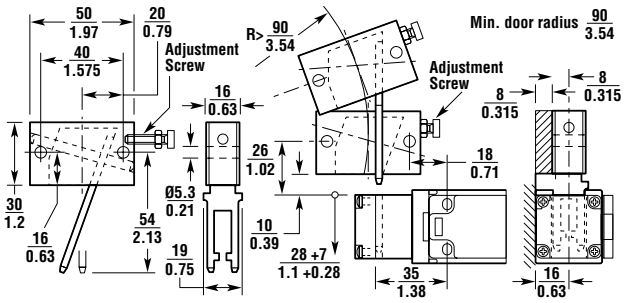

### Overtravel
### 90-Degree Actuator




### Flexible 1 Actuator




### Flexible 2 Actuator



## Ordering

| Model | Solenoid | Contacts | Wiring Entry | Part No. |
|---|---|---|---|---|
| **Power to Lock (without door contact)** | | | | |
| TL4019-20241TM (flat actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0030 |
| TL4019-20241SM (90-degree actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0130 |
| TL4019-20241F2M (flex 2 actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0230 |
| TL4019-20241F1M (flex 1 actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0330 |
| TL4019-21101TM (flat actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0040 |
| TL4019-21101SM (90-degree actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0140 |
| TL4019-21101F2M (flex 2 actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0240 |
| TL4019-21101F1M (flex 1 actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0340 |
| **Power to Lock (with door contact)** | | | | |
| TL4019-40241TM (flat actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-0410 |
| TL4019-40241SM (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-0510 |
| TL4019-40241F2M (flex 2 actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-0610 |
| TL4019-40241F1M (flex 1 actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-1710 |
| TL4019-41101TM (flat actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-0420 |
| TL4019-41101SM (90-degree actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-0520 |
| TL4019-41101F2M (flex 2 actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-0620 |
| TL4019-41101F1M (flex 1 actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-1720 |
| TL4019-40242TM (flat actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-0430 |
| TL4019-40242SM (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-0530 |
| TL4019-40242F2M (flex 2 actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-0630 |
| TL4019-40242F1M (flex 1 actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-1730 |
| TL4019-41102TM (flat actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-0440 |
| TL4019-41102SM (90-degree actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-0540 |
| TL4019-41102F2M (flex 2 actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-0640 |
| TL4019-41102F1M (flex 1 actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-1740 |
| TL4019-40243TM (flat actuator) | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0450 |
| TL4019-40243SM (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0550 |
| TL4019-40243F2M (flex 2 actuator) | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0650 |
| TL4019-40243F1M (flex 1 actuator) | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-1750 |
| TL4019-41103TM (flat actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0460 |
| TL4019-41103SM (90-degree actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0560 |
| TL4019-41103F2M (flex 2 actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0660 |
| TL4019-41103F1M (flex 1 actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-1760 |
| **Power to Unlock (without door contact)** | | | | |
| TL4019-10241TM (flat actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0010 |
| TL4019-10241SM (90-degree actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0110 |
| TL4019-10241F2M (flex 2 actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0210 |
| TL4019-10241F1M (flex 1 actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0310 |
| TL4019-11101TM (flat actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0020 |
| TL4019-11101SM (90-degree actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0120 |
| TL4019-11101F2M (flex 2 actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0220 |
| TL4019-11101F1M (flex 1 actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-0320 |
| TL4019-10241SKM w/key (90-degree actuator) | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-1110 |
| TL4019-11101SKM w/key (90-degree actuator) | 110 VAC | 2 N/C + 2 N/O | 3 x M20 with NPT adapter | 44534-1120 |
| **Power to Unlock (with door contact)** | | | | |
| TL4019-30241TM (flat actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-0050 |
| TL4019-30241SM (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-0150 |
| TL4019-30241F2M (flex 2 actuator) | 24 VAC/DC | 2 N/C + 1 N/O + 1N/O | 3 x M20 with NPT adapter | 44534-0250 |
| TL4019-30241F1M (flex 1 actuator) | 24 VAC/DC | 2 N/C + 1 N/O + 1N/O | 3 x M20 with NPT adapter | 44534-0350 |
| TL4019-31101TM (flat actuator) | 110 VAC | 2 N/C + 1 N/O + 1N/O | 3 x M20 with NPT adapter | 44534-0060 |
| TL4019-31101SM (90-degree actuator) | 110 VAC | 2 N/C + 1 N/O + 1N/O | 3 x M20 with NPT adapter | 44534-0160 |
| TL4019-31101F2M (flex 2 actuator) | 110 VAC | 2 N/C + 1 N/O + 1N/O | 3 x M20 with NPT adapter | 44534-0260 |
| TL4019-31101F1M (flex 1 actuator) | 110 VAC | 2 N/C + 1 N/O + 1N/O | 3 x M20 with NPT adapter | 44534-0360 |
| TL4019-30242TM (flat actuator) | 24 VAC/DC | 2 N/C + 1 N/O + 1N/C | 3 x M20 with NPT adapter | 44534-0070 |
| TL4019-30242SM (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/O + 1N/C | 3 x M20 with NPT adapter | 44534-0170 |
| TL4019-30242F2M (flex 2 actuator) | 24 VAC/DC | 2 N/C + 1 N/O + 1N/C | 3 x M20 with NPT adapter | 44534-0270 |
| TL4019-30242F1M (flex 1 actuator) | 24 VAC/DC | 2 N/C + 1 N/O + 1N/C | 3 x M20 with NPT adapter | 44534-0370 |

(Continued on next page)

## Ordering (continued)

| Model | Solenoid | Contacts | Wiring Entry | Part No. |
|---|---|---|---|---|
| TL4019-31102TM (flat actuator) | 110 VAC | 2 N/C + 1 N/O + 1N/C | 3 x M20 with NPT adapter | 44534-0080 |
| TL4019-31102SM (90-degree actuator) | 110 VAC | 2 N/C + 1 N/O + 1N/C | 3 x M20 with NPT adapter | 44534-0180 |
| TL4019-31102F2M (flex 2 actuator) | 110 VAC | 2 N/C + 1 N/O + 1N/C | 3 x M20 with NPT adapter | 44534-0280 |
| TL4019-31102F1M (flex 1 actuator) | 110 VAC | 2 N/C + 1 N/O + 1N/C | 3 x M20 with NPT adapter | 44534-0380 |
| TL4019-30243TM (flat actuator) | 24 VAC/DC | 2 N/C + 1 N/C + 1N/O | 3 x M20 with NPT adapter | 44534-0090 |
| TL4019-30243SM (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0190 |
| TL4019-30243F2M (flex 2 actuator) | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0290 |
| TL4019-30243F1M (flex 1 actuator) | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0390 |
| TL4019-31103TM (flat actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0400 |
| TL4019-31103SM (90-degree actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0500 |
| TL4019-31103F2M (flex 2 actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-0600 |
| TL4019-31103F1M (flex 1 actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-1700 |
| TL4019-30241SKM w/key (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-1150 |
| TL4019-31101SKM w/key (90-degree actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/O | 3 x M20 with NPT adapter | 44534-1160 |
| TL4019-30242SKM w/key (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-1170 |
| TL4019-31102SKM w/key (90-degree actuator) | 110 VAC | 2 N/C + 1 N/O +1 N/C | 3 x M20 with NPT adapter | 44534-1180 |
| TL4019-30243SKM w/key (90-degree actuator) | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-1190 |
| TL4019-31103SKM w/key (90-degree actuator) | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 with NPT adapter | 44534-1500 |
| **Power to Unlock (with unlock request contact) (mechanical unlocking is not available on these switches)** | | | | |
| TL4019-50241TM (flat actuator) | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0470 |
| TL4019-50241SM (90-degree actuator) | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0570 |
| TL4019-50241F2M (flex 2 actuator) | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0670 |
| TL4019-50241F1M (flex 1 actuator) | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-1770 |
| **Switch Only (no actuators or adapters included)** | | | | |
| **Power to Unlock (without door contact)** | | | | |
| TL4019-10241 | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 | 44534-2010 |
| TL4019-11101 | 110 VAC | 2 N/C + 2 N/O | 3 x M20 | 44534-2020 |
| **Power to Unlock (with door contact)** | | | | |
| TL4019-30241 | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 | 44534-2050 |
| TL4019-31101 | 110 VAC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 | 44534-2060 |
| TL4019-30242 | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 | 44534-2070 |
| TL4019-31102 | 110 VAC | 2 N/C + 1 N/O +1 N/C | 3 x M20 | 44534-2080 |
| TL4019-30243 | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 | 44534-2090 |
| TL4019-31103 | 110 VAC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 | 44534-2100 |
| **Power to Unlock (with unlock request contact)** | | | | |
| TL4019-50241 | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 | 44534-2170 |
| **Power to Lock (without door contact)** | | | | |
| TL4019-20241 | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 | 44534-2030 |
| TL4019-21101 | 110 VAC | 2 N/C + 2 N/O | 3 x M20 | 44534-2040 |
| **Power to Lock (with door contact)** | | | | |
| TL4019-40241 | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 | 44534-2110 |
| TL4019-41101 | 110 VAC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 | 44534-2120 |
| TL4019-40242 | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 | 44534-2130 |
| TL4019-41102 | 110 VAC | 2 N/C + 1 N/O +1 N/C | 3 x M20 | 44534-2140 |
| TL4019-40243 | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 | 44534-2150 |
| TL4019-41103 | 110 VAC | 2 N/C + 1 N/C +1 N/O | 3 x M20 | 44534-2160 |
| **Rear Release (no actuators or adapters included; rear release actuator included; order T-handle separately)** | | | | |
| **Power to Unlock (without door contact)** | | | | |
| TL4019-10241RR | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 | 44534-3010 |
| **Power to Unlock (with door contact)** | | | | |
| TL4019-30241RR | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 | 44534-3050 |
| TL4019-30242RR | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 | 44534-3070 |
| TL4019-30243RR | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 | 44534-3090 |
| **Power to Lock (without door contact)** | | | | |
| TL4019-20241RR | 24 VAC/DC | 2 N/C + 2 N/O | 3 x M20 | 44534-3030 |
| **Power to Lock (with door contact)** | | | | |
| TL4019-40241RR | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 | 44534-3110 |
| TL4019-40242RR | 24 VAC/DC | 2 N/C + 1 N/O +1 N/C | 3 x M20 | 44534-3130 |
| TL4019-40243RR | 24 VAC/DC | 2 N/C + 1 N/C +1 N/O | 3 x M20 | 44534-3150 |

(Continued on next page)

## Ordering (continued)

| Accessories | | | | Part No. |
|---|---|---|---|---|
| **Standard Actuators** | | | | |
| Replacement flat actuator for TL4019 | | | | 44534-0700 |
| Replacement 90-degree actuator for TL4019 | | | | 44534-0710 |
| Replacement flex 2 actuator for TL4019 | | | | 44534-0720 |
| Replacement flex 1 actuator for TL4019 | | | | 44534-0730 |
| **Standard Actuators with Rubber Bushing** | | | | |
| Replacement flat actuator RB for TL4019 | | | | 44534-0740 |
| Replacement 90-degree actuator RB for TL4019 | | | | 44534-0750 |
| **Overtravel Actuators** | | | | |
| Replacement flat actuator OT for TL4019 | | | | 44534-0701 |
| Replacement 90-degree actuator OT for TL4019 | | | | 44534-0711 |
| Replacement flex 2 actuator OT for TL4019 | | | | 44534-0721 |
| Replacement flex 1 actuator OT for TL4019 | | | | 44534-0731 |
| **Overtravel Actuators with Rubber Bushing** | | | | |
| Replacement flat actuator OTRB for TL4019 | | | | 44534-0741 |
| Replacement 90-degree actuator OTRB for TL4019 | | | | 44534-0751 |
| **Slide Bolts** | | | | |
| Bolt for right-hung door for TL4019 with/without rear release (yellow metal) | | | | 44534-8130 |
| Bolt for left-hung door for TL4019 with/without rear release (yellow metal) | | | | 44534-8140 |
| Plastic slide bolt for right or left-hung door for TL4019 (yellow) (okay for rear release switches) | | | | 44534-8070 |
| Slide bolt interior lever kit (use with rear release slide bolts only) | | | | 44534-8050 |
| Rear release T-handle (use with rear release switches only) | | | | 44534-8060 |
| Bracket for TL4019 (galvanized) | | | | 44534-8020 |
| Handle without snap-in (use with 44534-8020 bracket) (galvanized) | | | | 44534-8000 |
| Handle with snap-in (use with 44534-8020 bracket) (galvanized) | | | | 44534-8010 |
| **Miscellaneous** | | | | |
| Stainless steel alignment guide for TL4019 (must use with Overtravel Actuator) | | | | 44534-0780 |
| Latch spring for TL4019 (provides greater retention force for actuator) | | | | 44534-0760 |
| Lockout bar for TL4019 (prevents insertion of actuator into switch) | | | | 44534-0770 |
| Key lock release for TL4019 (2 keys included) (Do not use with TL4019-5) | | | | 44534-0802 |
| Spare keys for key lock above (44534-0802) for TL4019 | | | | 44534-0812 |
| Spare keys for key lock (44534-0800, no longer available) | | | | 44534-0810 |
| Unique key lock release for TL4019 (2 unique keys included) (Do not use with TL4019-5) | | | | 44534-0820 |
| Replacement head for TL4019 | | | | 44534-0790 |
| LED lid kit (for 24 VAC/DC switches only) | | | | 44534-0761 |