

# Comepi Safety Solenoid Locking Switches



Comepi's guard locking safety switch is an electromagnetic device with separate actuator.

The solenoid can be used to lock the actuator in place to prevent access to the protected area.

## Features:

- Power to Unlock units
- Separate dual circuits to monitor the actuator (guard closed) and solenoid (guard unlocked) individually



FEP5KP1FA8-024M

## Safety Solenoid Locking Switch Selection Guide

| Part Number                     | Price    | Locking Mode         | Head Position        | Holding Force | Safety Output (Solenoid) | Safety Output (Actuator) | IP Rating | Drawing             |
|---------------------------------|----------|----------------------|----------------------|---------------|--------------------------|--------------------------|-----------|---------------------|
| <a href="#">FEP5KP1FA8-024M</a> | \$140.00 | 24 VAC/VDC to unlock | 90-degree adjustable | 1200N         | (2) N.C.                 | (2) N.C.                 | IP65      | <a href="#">PDF</a> |
| <a href="#">FEP5KP1FA8-120M</a> | \$143.00 | 120 VAC to unlock    | 90-degree adjustable | 1200N         | (2) N.C.                 | (2) N.C.                 | IP65      | <a href="#">PDF</a> |

Note: Purchase actuating tongue (key) separately

## Safety Solenoid Locking Switch Key Selection Guide

| Part Number           | Price  | Hole Spacing | Material            | Fits                                | Drawing             |
|-----------------------|--------|--------------|---------------------|-------------------------------------|---------------------|
| <a href="#">KEY27</a> | \$4.75 | 20mm         | 316 stainless steel | Comepi FEP5K series safety switches | <a href="#">PDF</a> |
| <a href="#">KEY28</a> | \$4.75 | 20mm         | 316 stainless steel | Comepi FEP5K series safety switches | <a href="#">PDF</a> |
| <a href="#">KEY29</a> | \$8.75 | 40mm         | 316 stainless steel | Comepi FEP5K series safety switches | <a href="#">PDF</a> |



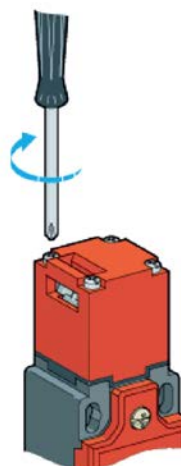
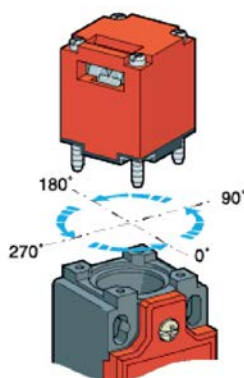
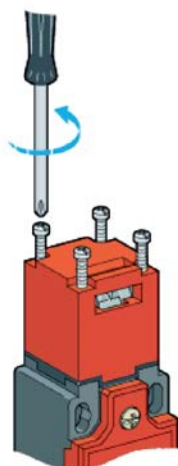
[KEY27](#)



[KEY28](#)



[KEY29](#)



# Comepi Safety Solenoid Locking Switches

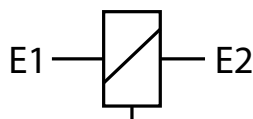


## FEP5K Locking Switches Specifications

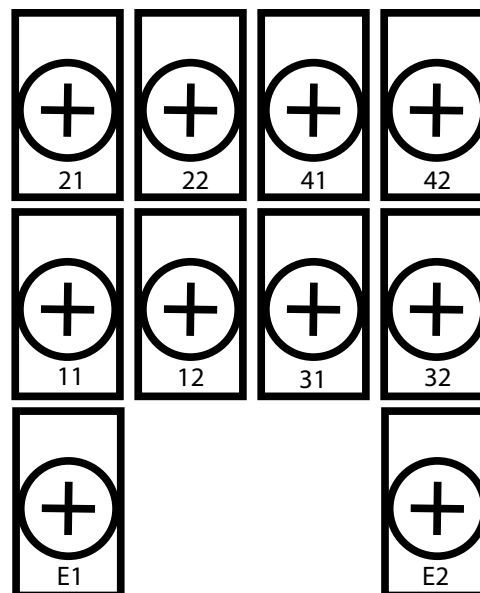
| Environmental               |      |                                                  |
|-----------------------------|------|--------------------------------------------------|
| Degree of Protection        |      | IP65                                             |
| Operating Temperature Range |      | -25° to 55°C [-13° to 131°F]                     |
| Storage Temperature Range   |      | -30° to 80°C [-22° to 176°F]                     |
| Rated Insulation Voltage    |      | 250V                                             |
| Pollution Degree            |      | Degree 3                                         |
| Mechanical                  |      |                                                  |
| Mechanical Life             |      | 1,000,000 operations                             |
| B10d                        |      | 4,000,000 operations                             |
| Enclosure Material          |      | Reinforced thermoplastic                         |
| Manual Unlock               |      | Screw release                                    |
| Electrical                  |      |                                                  |
| Electrical Ratings          | AC15 | 24VAC @ 50/60 Hz = 10A<br>230VAC @ 50/60 Hz = 4A |
|                             | DC13 | 24VDC = 4A                                       |
| Maximum Switching Frequency |      | 10 cycles per minute                             |
| Terminals Marking           |      | According to IEC 60947-5-1                       |
| Cable Entry                 |      | (3) M20 x 1.5 mm cable entries                   |
| Connecting Wire Size        |      | 22 to 16 AWG (0.34 to 1.5 mm <sup>2</sup> )      |
| Reference Standards         |      | IEC 60947-5-1<br>EN 60947-5-1<br>EN ISO 14119    |
| Agency Approvals            |      | cULus, CE                                        |
| Tools Needed                |      |                                                  |
| Phillips screwdriver, #1 #2 |      |                                                  |

## Connection Diagram

|                                                                       |                     |                       |              |
|-----------------------------------------------------------------------|---------------------|-----------------------|--------------|
| FA8<br>2 contact moved by actuator<br><br>2 contact moved by solenoid |                     |                       |              |
| ACTUATOR                                                              | Inserted and locked | Inserted and unlocked | Not inserted |
| SOLENOID                                                              | Not excited         | Excited               | -            |
| ACTUATOR                                                              | 11 — 12             | 11 — 12               | 11 — 12      |
| SOLENOID                                                              | 21 — 22             | 21 — 22               | 21 — 22      |
| ACTUATOR                                                              | 31 — 32             | 31 — 32               | 31 — 32      |
| SOLENOID                                                              | 41 — 42             | 41 — 42               | 41 — 42      |



## Connection Layout



Connections are located inside the unit beneath the top cover.

# Safety Products



*Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.*

*AutomationDirect does not provide design or consulting services, and cannot advise whether any specific application or use of our products would ensure compliance with the safety requirements for any application.*