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
FEP5KP1FA8-024M	$;05_[9:	24 VAC/VDC to unlock	90-degree adjustable	1200N	(2) N.C.	(2) N.C.	IP65	PDF
FEP5KP1FA8-120M	$;05_[a:	120 VAC to unlock	90-degree adjustable	1200N	(2) N.C.	(2) N.C.	IP65	PDF

Note: Purchase actuating tongue (key) separately

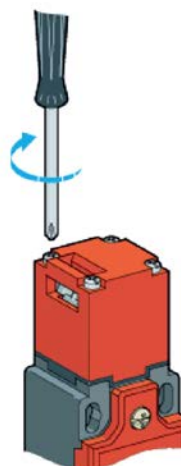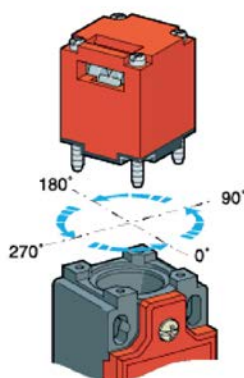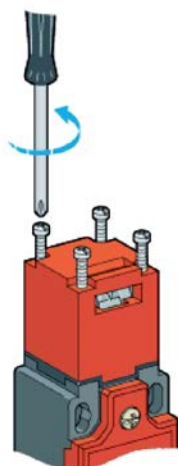| Safety Solenoid Locking Switch Key Selection Guide					
Part Number	Price	Hole Spacing	Material	Fits	Drawing
KEY27	$;5_[b:	20mm	316 stainless steel	Comepi FEP5K series safety switches	PDF
KEY28	$;5_[c:	20mm	316 stainless steel	Comepi FEP5K series safety switches	PDF
KEY29	$;5_[d:	40mm	316 stainless steel	Comepi FEP5K series safety switches	PDF

KEY27

KEY28

KEY29

180°   90°

270°   0°

Comepi Safety Solenoid Locking Switches

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| 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 / 230VAC @ 50/60 Hz = 4A
Electrical Ratings — 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^2)
Reference Standards	IEC 60947-5-1 / EN 60947-5-1 / EN ISO 14119
Agency Approvals	cULus, CE
Tools Needed	
Phillips screwdriver, #1 #2	

Connection Diagram

FA8 2 contact moved by actuator / 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

E1 —[/]— E2
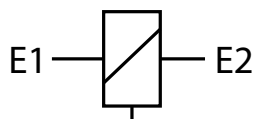
Connection Layout

21 22 41 42
11 12 31 32
E1   E2
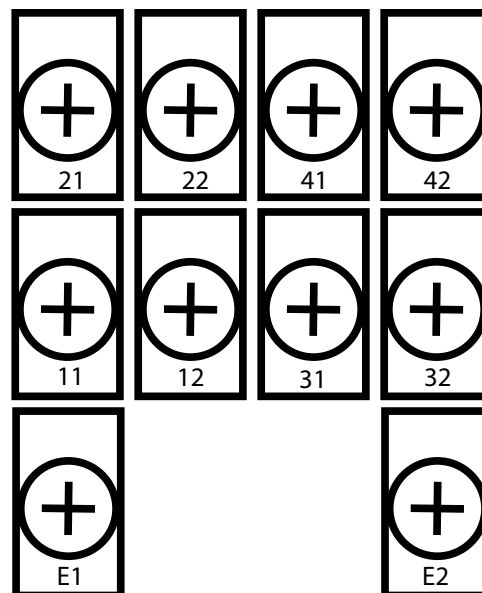
Connections are located inside the unit beneath the top cover.

Safety Electrical Components   tESC-149

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.