## Comepi Safety Solenoid Locking Switches with Unique RFID Coding



Comepi's uniquely coded RFID guard locking safety switch is an electromagnetic device with a separate RFID actuator.

This RFID coded version guarantees protection against easy bypass of the device.

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

Features

- Single RFID coded tongue (key) prevents unauthorized bypass
- The AFEPMK series allows for replacement keys to be retaught
- Power to lock units
- Separate circuits to monitor the guard closed and solenoid



RFID Coded Safety Solenoid Locking Switch Selection Guide									
Part Number	Price	Locking Mode	Actuator Type	Head Position	Holding Force	Safety Output Type	Monitoring Output Type	IP Rating	Drawing
AFEPMKR1FR3-024E	\$296.00	24 VDC to lock	Unique RFID	0-degree fixed	1200N	(2) N.C.	(1) N.C.	IP65	PDF
AFEPMKR2FR3-024E	\$296.00	24 VDC to lock	Unique RFID	que RFID 90-degree fixed		(2) N.C.	(1) N.C.	IP65	PDF
AFEPMKR3FR3-024E	\$296.00	24 VDC to lock	Unique RFID 180-degree fixed		1200N	(2) N.C.	(1) N.C.	IP65	PDF
AFEPMKR4FR3-024E	\$296.00	24 VDC to lock	Unique RFID	270-degree fixed	1200N	(2) N.C.	(1) N.C.	IP65	<u>PDF</u>

RFID Coded Safety Solenoid Locking Switch Key Selection Guide						
Part Number	Price	RFID	Hole Spacing	Material Fits		Drawing
KEY29R	\$16.00	Uniquely coded	40mm	316 stainless steel	Comepi AFEPMK series safety switches	PDF



KEY29R

## 1-800-633-0405 Comepi Safety Solenoid Locking Switches with Unique RFID Coding

|--|

AFEPMK Locking Switches with Unique RFID Coding Specifications						
Environmental						
Degree of Protection		IP65				
<b>Operating Temperatur</b>	e Range	-20° to 55°C [-4° to 131°F]				
Storage Temperature	Range	-30° to 80°C [-22° to 176°F]				
Rated Insulation Volta	ge	250V				
Pollution Degree		Degree 3				
Mechanical						
Mechanical Life		1,000,000 operations				
B10d		2,000,000 operations				
Enclosure Material		Reinforced thermoplastic				
Manual Unlock		Screw release				
Electrical						
Voltage Range		21.6 to 26.4 VDC				
Maximum Current		0.5 A				
Electrical Ratings	AC15	24VAC @ 50/60 Hz = 2A				
Liectrical Natiligs	DC13	24VDC = 2A				
Maximum Switching Frequency		10 cycles per minute				
Terminals Marking		According to IEC 60947-5-1				
Cable Entry		M12 8-pin connection				
Connecting Wire Size		22 to 16 AWG (0.34 to 1.5 mm <sup>2</sup> )				
Reference Standards		IEC 60947-5-1 EN 60947-5-1 EN ISO 14119				
Agency Approvals		cULus, CE				
	Tools Needed					
Phillips screwdriver, #1 #2						

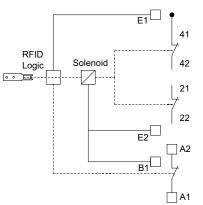
## **Connection Diagram:**

**Connection Colors** 



Pin View from Switch M12 Male

M12 8-PIN MALE CONNECTOR								
Pin	292 Cable*	295 Cable*	Signal	Description				
1	White	Brown	E1	Ground				
2	Brown	White	E2/A1**	24 VDC+				
3	Green	Blue	A2	N.C. Signal Output (from A1)				
4	Yellow	Black	B1	Input for External Consense +24VDC				
5	Gray	Gray	21	N.C. Safety Contact 1				
6	Pink	Pink	22	N.C. Safety Contact 1				
7	Blue	Violet	41	N.C. Safety Contact 2				
8	Red	Orange	42	N.C. Safety Contact 2				



Notes:

AutomationDirect sells M12 8-pole cables with two different color patterns (7000-170x1-292xxxx and 7000-170x1-295xxxx).

\*\* Terminals E2 and A1 have a factory-installed jumper.

## **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.