

# 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



[AFEPMKR1FR3-024E](#)

## 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
<a href="#">AFEPMKR1FR3-024E</a>	\$;05_[5:	24 VDC to lock	Unique RFID	0-degree fixed	1200N	(2) N.C.	(1) N.C.	IP65	<a href="#">PDF</a>
<a href="#">AFEPMKR2FR3-024E</a>	\$;05_[6:	24 VDC to lock	Unique RFID	90-degree fixed	1200N	(2) N.C.	(1) N.C.	IP65	<a href="#">PDF</a>
<a href="#">AFEPMKR3FR3-024E</a>	\$;05_[7:	24 VDC to lock	Unique RFID	180-degree fixed	1200N	(2) N.C.	(1) N.C.	IP65	<a href="#">PDF</a>
<a href="#">AFEPMKR4FR3-024E</a>	\$;05_[8:	24 VDC to lock	Unique RFID	270-degree fixed	1200N	(2) N.C.	(1) N.C.	IP65	<a href="#">PDF</a>

## RFID Coded Safety Solenoid Locking Switch Key Selection Guide

Part Number	Price	RFID	Hole Spacing	Material	Fits	Drawing
<a href="#">KEY29R</a>	\$;5_[e:	Uniquely coded	40mm	316 stainless steel	Comepi AFEPMK series safety switches	<a href="#">PDF</a>



[KEY29R](#)

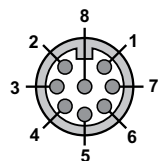
# Comepi Safety Solenoid Locking Switches with Unique RFID Coding



AFEPMK Locking Switches with Unique RFID Coding Specifications			
Environmental			
Degree of Protection		IP65	
Operating Temperature Range		-20° to 55°C [-4° 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		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	
	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



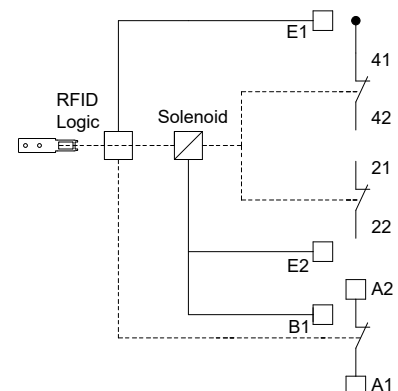
Pin View from Switch  
M12 Male

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



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