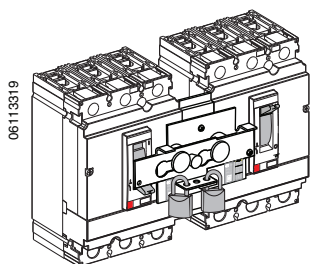
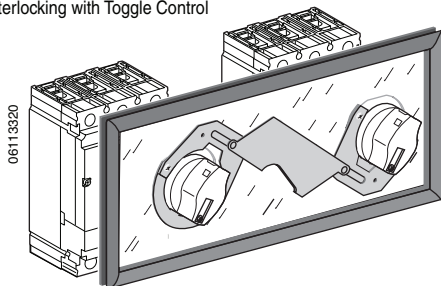


Mechanical Interlocking Systems for PowerPact™ Circuit Breakers 600 A and Below Class 0600

Mechanical Interlocks



Interlocking with Toggle Control



Interlocking with Rotary Handles

Managing multiple power sources is simple with Schneider Electric mechanical interlocks. Schneider Electric provides several options for mechanically interlocking molded case circuit breakers in the range of 600 A and below. All of these options comply with the standards of Underwriters Laboratories and are certified with a UL label.

With the reliability of a mechanical design, Schneider Electric mechanical interlocking systems can be used to maintain essential loads during a power outage. Mechanically interlocked circuit breakers are intended to prohibit both power sources from being simultaneously connected to the load. The interlocking system disables one circuit breaker by mechanically preventing handle movement from the Off position while the other circuit breaker is in the On position.

Options for interlocking toggle handles or rotary handles are available for PowerPact H-frame, J-frame, D-frame, and Q-frame circuit breakers.

Amperage	Circuit Breaker	Part Number for Toggle Handles	Part Number for Rotary Handles
15 A – 250 A	H-frame and J-frame	S29354 ¹	S29369
75 A – 250 A	Q-frame	QBMIK	—
70 A – 600 A	L-frame	S32614	S32621

¹ S29354 not available on 2-pole HD or HG circuit breakers

Interlocking with Toggle Control

S29354 for PowerPact H- and J-frame and S32614 for PowerPact L-frame



H-frame and J-frame Circuit Breakers Interlocked with a S29354 Interlocking System

The S32614 mechanically interlocks L-frame circuit breakers. The S29354 interlocks H-frame circuit breakers, J-frame circuit breaker, or a combination of the two, providing the ability to interlock circuit breakers of different ampacities.

- Interlocked circuit breakers can be of the fixed or plug-in mounting configurations.
- Accepts one or two padlocks with diameters of 0.19–0.31 in. (5–8 mm).
- Two sliding interlocking bars can be used to interlock three circuit breakers installed side-by-side, in which case one circuit breaker is in the ON (I) position and the two others are in the OFF (O) position.

Table 1: Possible Configurations

	1 Interlock Kit		2 Interlock Kits		
	Circuit Breaker 1	Circuit Breaker 2	Circuit Breaker 1	Circuit Breaker 2	Circuit Breaker 3
No padlocks	ON	OFF	OFF	ON	OFF
	OFF	ON	ON	OFF	OFF
1 padlock	ON	Locked Off	OFF	ON	OFF
	Locked Off	ON	ON	OFF	OFF
2 padlocks	Locked Off	Locked Off	OFF	OFF	ON

QBMIK for PowerPact Q-frame



For use with two PowerPact Q-frame circuit breakers. The QBMIK interlocking system allows only one circuit breaker to be On at any given time.

Use the QBPAL or QBPALF handle padlock kits with this device to be able to padlock one of the circuit breakers in the On or Off position.

Interlocking with Rotary Handles

S29369 for PowerPact H- and J-frame and S32621 for PowerPact L-frame



Schneider Electric also offers an interlocking kit for applications where rotary handles are installed. The interlock mechanism inhibits the two devices from being On at the same time, but allows for both devices to be Off simultaneously. The padlock provision on the rotary handles allows each circuit breaker to be padlocked in the Off position.

Other Resources:

Circuit Breaker Catalogs

PowerPact H-, J-, and L-frame Circuit Breakers Catalog	0611CT1001
PowerPact Q-Frame Molded Case Circuit Breakers and Switches	0734CT0201

User Manuals

Mechanical Interlock for Rotary Handle for H-, J-, and L-frame Circuit	48940-240-01
Mechanical Interlock for Toggle Handles for PowerPact H- and J-frame Circuit Breakers	48940-224-01
QBMIK Mechanical Interlock Kit (For Q2, QB, QD, QG, and QJ Two- or Three-pole Circuit Breakers or Switches)	48940-217-02
Mechanical Interlock for Toggle Handles for PowerPact L-frame Circuit Breakers	S1A79538

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