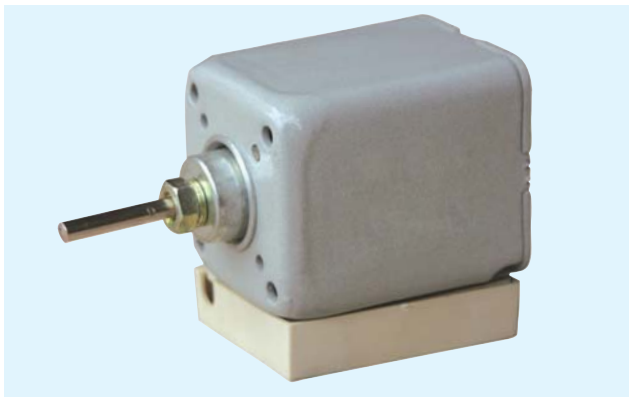


AIR TYPE CIRCUIT BREAKERS



Undervoltage Release : Undervoltage release is used in opening air type circuit breaker due to low voltage or phase disconnection. There are two types of low voltage releasers as instant opening and delayed opening types. Delayed type undervoltage release has 1 sec., 2 sec. and 5 sec. delayed models and accuracy class is 15%.

Characteristic

Rated control power voltage U_s (V)	AC 230, 400
Actuation voltage (V)	(0.85-1.1) U_e
Release voltage	(0.35-0.7) U_e
Power consumption	48 W

Order Code	Delayed	8AM-CA000-0220
	Non-delayed	8AM-CA001-0220



Closing Release: After the motor mechanism completes energy storage, the closing coil promptly closes the breaker by releasing the spring in the mechanism.

Characteristic

Rated control power voltage U_s (V)	AC 230, 400
Operating voltage	(0.85-1.1) U_s
Power consumption	40 W
Closing time	< 70 ms

Order Code	8AM-BD000-0222
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Shunt Trip Release: Air type circuit breakers, other than manual type, may be remote controlled with shunt trip coil.

Characteristic

Rated control power voltage U_s (V)	AC 230, 400
Operating voltage	(0.7-1.1) U_s
Power consumption	40 W
Closing time	< 30 ms

Order Code	8AM-BD000-0221
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Motor Mechanism: Motor mechanism sets the mechanism springs (energy storage) and has the breaker ready for closing.

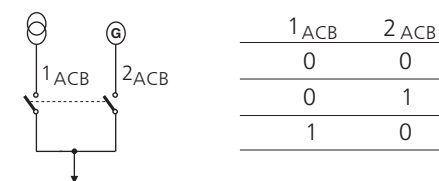
Characteristic

Rated control power voltage U_s (V)	AC 230, 400
Operating voltage	(0.85-1.1) U_s
Power consumption	190 W
Setup period	4 sec

Order Code	
F121E/F123E	8AM-DA000-0220
F131E/F133E-F141/F143E	8AS-DA000-0220
F151E/F153E	

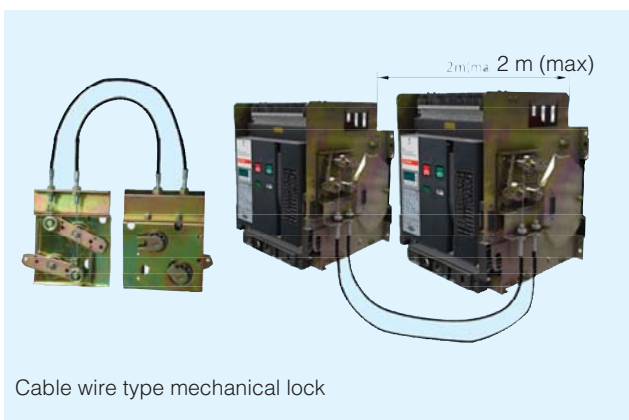
Mechanical Lock:

One of 2 normal power supplies is active.



Cable wire type mechanical lock is used in cross locking of 2 circuit breakers in vertical or horizontal positions. The purpose of this application is to prevent accidental ON-1 position of one circuit breaker, while the other is in ON-1 position.

Order Code: 8AM-V0000-0000



Cable wire type mechanical lock