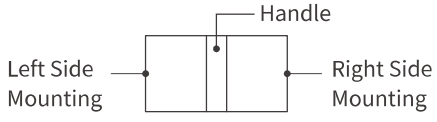
Overview of Accessories

1 Auxiliary contact
2 Alarm contact
3 Shunt release
4 Under voltage release
5 Electric operating mechanism
6 Manual operation mechanism
7 Plug-in rear connection split type
8 Plug-in rear connection integrated type
9 Plug-in front connection integrated type
10 Terminal cover
11 Extension terminal

EKM8, EKM8T Accessory Table

Accessory code	Accessory name	125AF			160AF			250AF		400/630AF		800/1250/2000AF	
		2P	3P	4P	2P	3P	4P	3P	4P	3P	4P	3P	4P
00	No	-	-	-	-	-	-	-	-	-	-	-	-
08	Alarm contact	-			-								
10	Shunt release												
18	Shunt release + Alarm contact	-			-								
20	Single auxiliary contact												
27	Dual auxiliary contacts												
28	Single auxiliary contact + Alarm contact	-			-								
29	Dual auxiliary contacts + Alarm contact	-			-								
30	Under voltage release												
38	Under voltage release + Alarm contact	-			-								
40	Shunt release + Single auxiliary contact	-			-								
41	Shunt release + Dual auxiliary contacts	-			-								
48	Shunt release + Auxiliary alarm	-			-								
50*	Shunt release + Under voltage release	-			-								
60	Two sets of single auxiliary contacts	-			-								
61	Single auxiliary contact + Dual auxiliary contacts	-			-								
62	Two sets of dual auxiliary contacts	-			-								
68	Single auxiliary contact + Auxiliary alarm	-			-								
69	Dual auxiliary contact + Auxiliary alarm	-			-								
70	Under voltage release + Single auxiliary contact	-			-								
71	Under voltage release + Dual auxiliary contact	-			-								
78	Under voltage release + Auxiliary alarm	-			-								

*Note: Code 50: 125, 160 need to customize the left undervoltage; The 250 requires custom left spin-off.
Selectable sub-excitation and undervoltage voltage range: DC24V, DC110V, DC220V, AC230V, AC400V; The conventional production is AC230V.



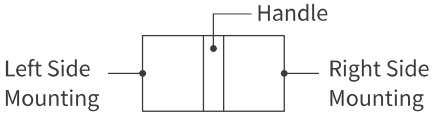
- Alarm contact
- Single auxiliary contact
- Dual auxiliary contacts
- Under voltage release
- Shunt trip

EKM8T Thermo-Magnetic Double Adjustable Type MCCB without 2P

EKM8E Accessory Table

Accessory code	Accessory name	160AF		250AF		400/630AF		800/1250AF		2000AF	
		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
00	No	-	-	-	-	-	-	-	-	-	-
08	Alarm contact										
10	Shunt release										
18	Shunt release + Alarm contact										
20	Single auxiliary contact										
27	Dual auxiliary contacts										
28	Single auxiliary contact + Alarm contact										
29	Dual auxiliary contacts + Alarm contact	-	-	-	-						
30	Under voltage release										
38	Under voltage release + Alarm contact	-	-	-	-						
40	Shunt release + Single auxiliary contact										
41	Shunt release + Dual auxiliary contacts										
48	Shunt release + Auxiliary alarm										
50*	Shunt release + Under voltage release										
60	Two sets of single auxiliary contacts	-	-	-	-						
61	Single auxiliary contact + Dual auxiliary contacts	-	-	-	-						
62	Two sets of dual auxiliary contacts	-	-	-	-						
68	Single auxiliary contact + Auxiliary alarm	-	-	-	-						
69	Dual auxiliary contact + Auxiliary alarm	-	-	-	-						
70	Under voltage release + Single auxiliary contact	-	-	-	-						
71	Under voltage release + Dual auxiliary contact	-	-	-	-						
78	Under voltage release + Auxiliary alarm	-	-	-	-						

*Note: Code 50: 160, 250 need to customize the left undervoltage.
Selectable sub-excitation and undervoltage voltage range: DC24V, DC110V, DC220V, AC230V, AC400V; The conventional production is AC230V.



- Alarm contact
- Single auxiliary contact
- Dual auxiliary contacts
- Under voltage release
- Shunt trip (mechanical)
- Shunt trip (electronic)

AX

Auxiliary contact

AXS-125

AX-250

AX-400

Function

Accessories that remotely indicate the closing (ON) or opening/free tripping (OFF) status of the circuit breaker are connected to the auxiliary circuit of the circuit breaker.

Model Description

AX(S) - □ □ - □

- Connection: short-circuit type (code SX), terminal type (code JXH)
- Installation site: left side installation (code Z), right side installation (code Y), left and right side installation (omit)
- Frame size code (see table1)
- Name: code AX of auxiliary contact, code (S) of two

Frame Size Code

Frame size	125~160	250	400~1250	1600~2000
Code	AX(S)-125	AX(S)-250	AX(S)-400	AX(S)-2000

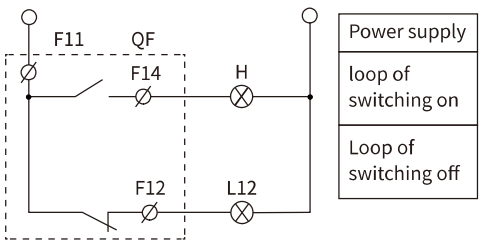
Electrical Wiring Diagram

Accessory name	ON	OFF/TRIP
Auxiliary	F14 — F11, F12	F14, F12 — F11

Electrical Characteristics

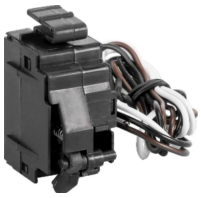
Operational voltage (V)	AC		DC		
	230	400	110	220	24
Operational current (A)	0.3	0.3	0.15	0.15	0.15

Wiring Diagram



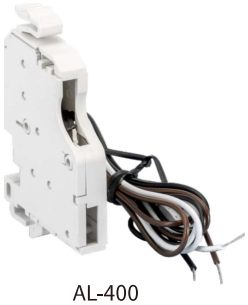
AL

Alarm contact



AL-125

AL-250



AL-400

Function

It is mainly used to provide a signal for circuit breakers when a fault occurs or when a free blur is made.

Model Description

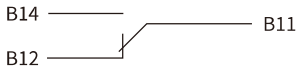
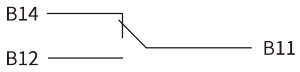
AL - □ □ - □

- Connection: short-circuit type (code SX), terminal type (code JXH)
- Installation site: left side installation (code Z), right side installation (code Y), left and right side installation (omit)
- Frame size code (see table1)
- Name code of alarm contact

Frame Size Code

Frame size	125~160	250	400~1250	1600~2000
Code	AL-125	AL-250	AL-400	AL-2000

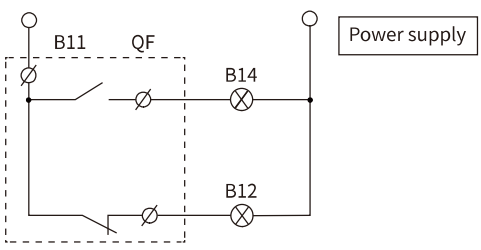
Electrical Wiring Diagram

Accessory name	ON/OFF	TRIP
Alarm		

Electrical Characteristics

Operational voltage (V)	AC		DC		
	230	400	110	220	24
Operational current (A)	0.3	0.3	0.15	0.15	0.15

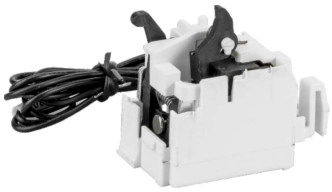
Wiring Diagram



SHT

Shunt release

SHT-125



SHT-250

SHT-400

Function

The shunt tripper is an accessory for manipulating the opening over long distances.
When the power supply voltage is equal to any voltage between 70%~110% of the rated control power supply voltage, the shunt trip should be able to make the circuit breaker operate reliably.

Model Description

SHT - □ □ - □

- Connection: short-circuit type (code SX), terminal type (code JXH)
- Installation site: left side installation (code Z), right side installation (code Y), left and right side installation (omit)
- Frame size code (see table1)
- Name code of shunt release

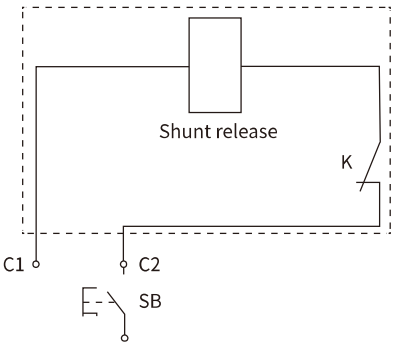
Frame Size Code

Frame size	125~160	250	400~1250	1600~2000
Code	SHT-125	SHT-250	SHT-400	SHT-2000

Electrical Characteristics

Operational voltage (V)	AC		DC		
	230	400	110	220	24
Operational current (A)	0.3	0.3	0.15	0.15	0.15

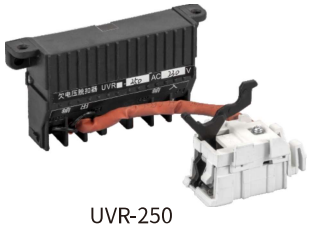
Electrical Wiring Diagram



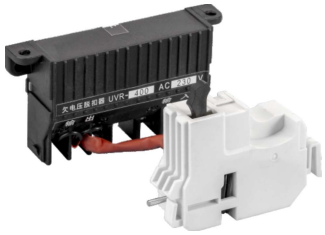
UVR

Under voltage release

UVR-125



UVR-250



UVR-400

Function

Realize the undervoltage protection function of the circuit breaker to disconnect the circuit breaker when the power supply voltage is too low to protect the power-using equipment.
When the supply voltage drops (or even drops slowly) to 70% to 35% of the rated control supply voltage, the undervoltage tripper shall enable the circuit breaker to disconnect reliably;
When the supply voltage is equal to or greater than 85% of the rated control supply voltage of the undervoltage striker, it should be able to ensure that the circuit breaker is closed;
When the supply voltage is less than 35% of the rated control supply voltage of the undervoltage detent, the undervoltage detent shall be able to prevent the circuit breaker from closing.

Model Description

UVR - □ □ - □

- Connection: short-circuit type (code SX), terminal type (code JXH)
- Installation site: left side installation (code Z), right side installation (code Y),
- Frame size code (see table1)
- Name code of under voltage release

Frame Size Code

Frame size	125~160	250	400~1250	1600~2000
Code	UVR-125	UVR-250	UVR-400	SHT-2000

Electrical Characteristics

Operational voltage (V)	AC		DC		
	230	400	110	220	24
Operational current (A)	0.3	0.3	0.15	0.15	0.15

Electrical Wiring Diagram