

Product Overview

■ Main functions

It mainly includes various types of accessories such as MO (shunt trip), OF (auxiliary contact), SD (alarm contact), and MSN (voltage loss protection)

■ Applied standard

GB/T 14048.1, IEC 60947-1
GB/T 14048.5, IEC 60947-5

■ Certification

CCC CE CB RoHS



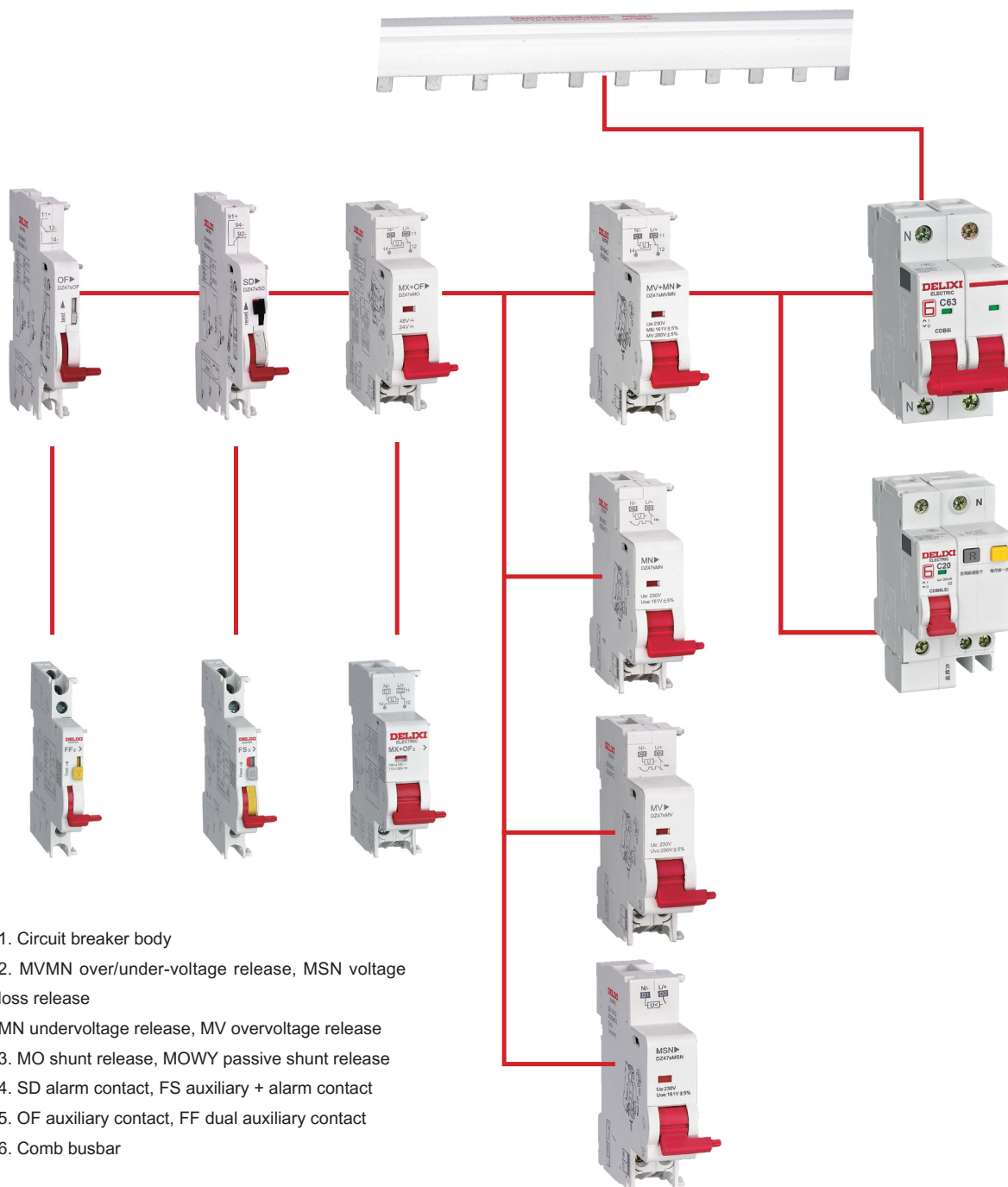
Main features

- Complete category
- Reliable and stable

Technical Parameters

Product name	OF6 auxiliary contact	SD6 alarm contact	MO6 shunt + auxiliary	MVMN6 over and under voltage protection accessory	MV6 overvoltage protection accessory	MN6 undervoltage protection accessory	MSN6 voltage loss protection accessory	MOWY6 passive shunt+ auxiliary	FS6 auxiliary + integrated alarm contact	FF6 dual auxiliary contact
Standard	OF, SD, FS, FF: GB/T14048.5, IEC 60947-5-1 MO, MOWY, MV, MN, MVMN, MSN: GB/T14048.1, IEC 60947-1, GB/T14048.5, IEC 60947-5-1									
Function	OF: Used for ON/OFF signal indication of remote circuit breaker									
	SD: Used for ON/OFF signal alarm indication of remote circuit breaker									
	MO: Used for remote shunt trip operation and for ON/OFF signal indication									
	FF: Used for ON/OFF signal indication of remote circuit breaker									
	FS: Integrated auxiliary alarm for synchronous indication of the fault condition and ON/OFF state of the circuit breaker									
	MV: Protection against line overvoltage faults									
	MN: Protection against line undervoltage faults									
	MVMN: Protection against line overvoltage and undervoltage faults									
	MSN: Protection against line voltage loss									
MOWY: Remote shunt tripping operation										
Mechanical parameters										
Number of contacts	1NO+1NC	1NO+1NC	1NO+1NC	\	\	\	\	1NO+1NC	2NO+2NC	2NO+2NC
Outline dimensions	Width 9mm	Width 9mm	Width 18mm	Width 18mm	Width 18mm	Width 18mm	Width 18mm	Width 18mm	Width 9mm	Width 9mm
Installation method	DIN standard rail mounted: horizontal and vertical installation									
Handle color	Red									
Electrical characteristics										
Contact operating current	AC: AC-12 Ue/Ie: AC415/3A AC240V/6A DC: DC-12 Ue/Ie: DC130V/1A, DC48V/2A DC24V/6A	AC: AC-12 Ue/Ie: AC415/3A AC240V/6A DC: DC-12 Ue/Ie: DC130V/1A DC48V/2A DC24V/6A	AC: AC-12 Ue/Ie: AC415/3A AC240/6A DC: DC-12 Ue/Ie: DC130V/1A DC48V/2A DC24V/6A	/	/	/	/	AC: AC-12 Ue/Ie: AC415/3A AC240/6A DC: DC-12 Ue/Ie: DC130V/1A DC48V/2A DC24V/6A	AC: AC-12 Ue/Ie: AC415/3A AC240V/6A DC: DC-12 Ue/Ie: DC130V/1A DC48V/2A DC24V/6A	AC: AC-12 Ue/Ie: AC415/3A AC240V/6A DC: DC-12 Ue/Ie: DC130V/1A DC48V/2A DC24V/6A
Shunt control voltage	/	/	AC: 100-415V/DC: 110-130V AC/DC: 24V/48V AC/DC: 12V/24V	Rated operating trip overvoltage: (280±14)VAC Rated operating trip undervoltage: (161±8.05) VAC Undervoltage protection zone: (35%~70%) Ue	Rated operating trip overvoltage: (280±14)VAC	Rated operating trip undervoltage: (161±8.05) VAC Undervoltage protection zone: (35%~70%) Ue	Rated operating trip undervoltage: (161±8.05) VAC Undervoltage protection zone: (35%~70%) Ue Normal recovery voltage (≥85%Ue), Voltage loss protection zone: (<35%Ue)	AC: 100-415V/DC: 110-130V AC/DC: 24V/48V AC/DC: 12V/24V	/	/
Voltage frequency	50/60Hz									
Operating life	6050 次	6050 次	6050 次	/	/	/	/	6050 times	6050 times	6050 times
Others										
Protection grade	IP20									
Pollution level	2									
Operating temperature	-35℃ ~70℃									
Altitude	Not exceed 2000m									
Resistance to damp and heat	Class 2 (the relative humidity is 95% at 55℃)									
Working environment	In places without significant vibration and shock									
Certification	CCC, ROHS, CE/CB	CCC, ROHS, CE/CB	ROHS	ROHS	ROHS	ROHS	ROHS	ROHS	CCC, ROHS, CE/CB	CCC, ROHS, CE/CB

■ Accessory installation diagram



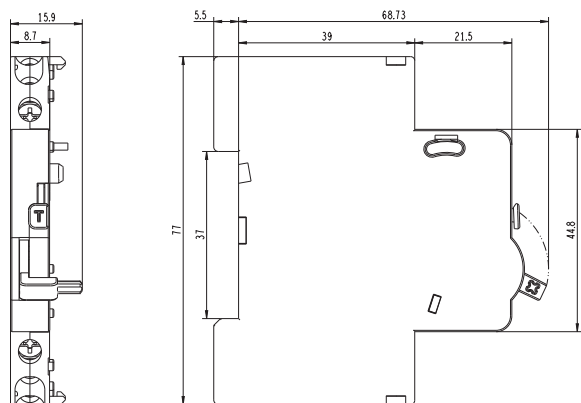
Assembly Description

- Accessories are installed without any tools required, and they are installed on the left side of the circuit breaker.
- The total width of the assembled accessory is within 54mm.
The order from left to right and quantity are described as follows: OF/FF/FS/SD(3 max.) +MO/MV/MN/MVMN/MSN/ MOWY(2 max.) +MCB.
- Accessories are commonly used in CDB6i, CDB6LEi, CDB6Pi, and CDB6PLEi

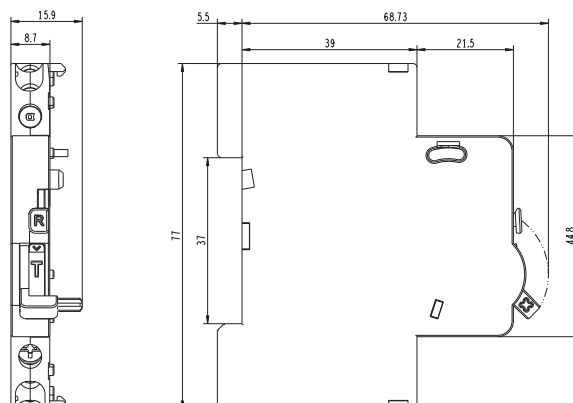
Outline and Installation Dimensions

■ Dimensional drawing

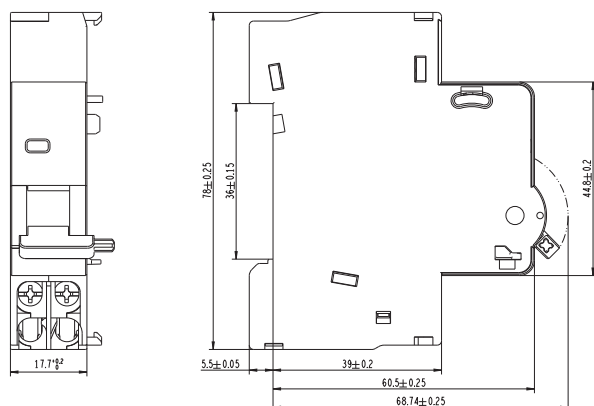
OF6/FF6



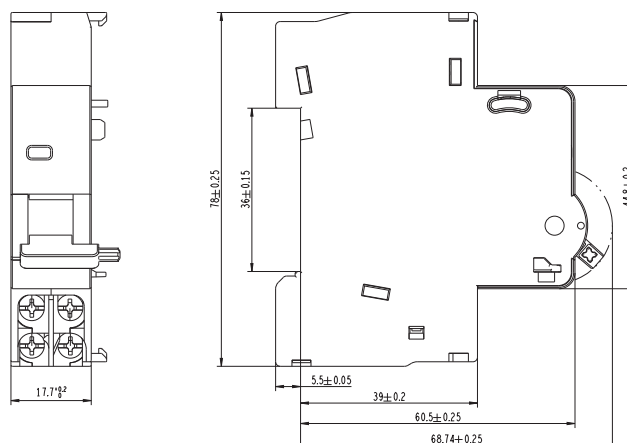
FS6/SD6



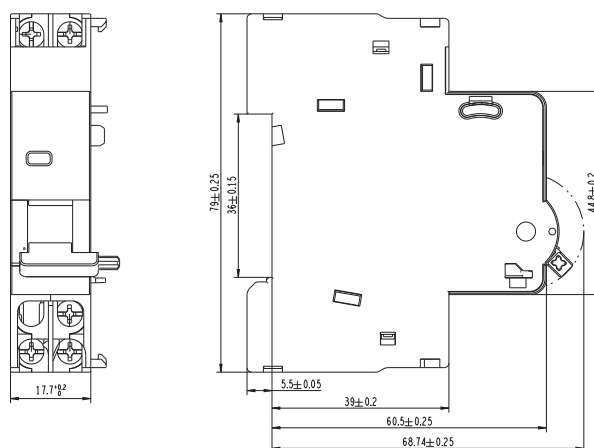
MN6/MSN6/MV6/MVMN6



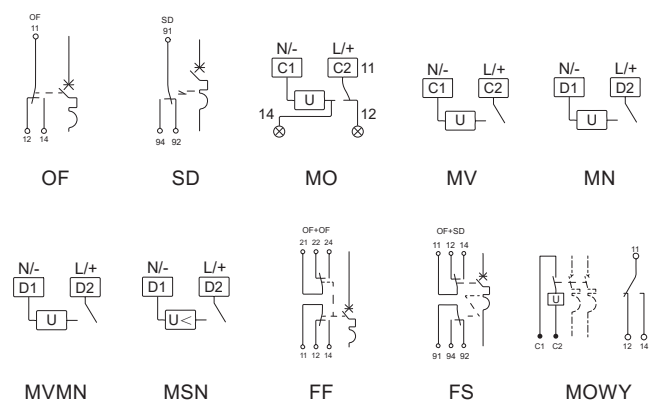
MO6



MOWY6



■ Wiring diagram



Product Overview

■ Main functions

It primarily includes many types of accessories such as MO (shunt trip), OF (auxiliary contact), SD (alarm contact), and MV (overvoltage protection)

■ Remote indicator accessories

SD alarm contact

- Signal is issued when circuit breaker trips due to faults.
- There is a mechanical indicator on the front panel to indicate fault trip.
- Basic form of auxiliary contact: one normally-open, and one normally-closed
- Wiring capacity: 1-4mm² wire

OF auxiliary contact

- External circuit to indicate the ON/OFF state of the circuit breaker
- Basic form of auxiliary contact: one normally-open, and one normally-closed
- Wiring capacity: 1-4mm² wire

■ Release accessories

MX+OF shunt release

- External circuit to indicate the ON/OFF state of the circuit breaker
- When receiving a signal, trigger the circuit breaker assembled trip
- Basic form of auxiliary contact: one normally-open, and one normally-closed
- Wiring capacity: 1-4mm² wire

MV overvoltage release

- Protection against line overvoltage faults
- When the voltages on both ends of the release rise within the rated range, the circuit breaker assembled with it will be triggered to trip
- There is a fault trip indicator on the front panel; when the indicator pops up, this indicates overvoltage trip
- Rated working trip overvoltage: (280±14)V AC
- Wiring capacity: 1-25mm²

MN undervoltage release

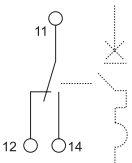
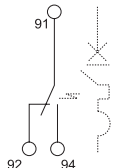
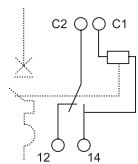
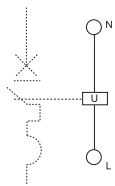
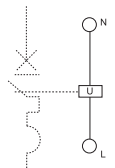
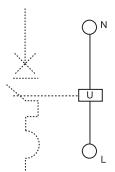
- Protection against line undervoltage faults
- When the voltages on both ends of the release drop within the rated range, the circuit breaker assembled with it will be triggered to trip
- There is a fault trip indicator on the front panel; when the indicator pops up, this indicates undervoltage trip
- Rated working trip undervoltage: (161±8.05)V AC
Undervoltage protection zone is (35%~70%) U_e
- Wiring capacity: 1-25mm²

MVMN over/under-voltage release

- Protection against line overvoltage and undervoltage faults
- When the voltages on both ends of the release rise or drop within the rated range, the circuit breaker assembled with it will be triggered to trip
- There is a fault trip indicator on the front panel, and the indicator is bounced up, which is overvoltage or undervoltage trip
- Rated working trip overvoltage: (280±14)V AC, rated working trip undervoltage: (161±8.05)V AC, undervoltage protection zone is (35%~70%) U_e
- Wiring capacity: 1-25mm²

Technical Parameters

Assembly description

Product name	Width (mm)	Voltage range (V)
OF 	9	AC: 415V-3A AC: 240V-6A DC: 130V-1A DC: 48V-2A DC: 12V-6A
SD 	9	AC: 415V-3A AC: 240V-6A DC: 130V-1A DC: 48V-2A DC: 12V-6A
MX+OF 	18 18	AC: 415V-3A AC: 240V-6A DC: 130V-1A DC: 48V-2A DC: 12V-6A
MV 	18	AC: 230V
MN 	18	AC: 230V
MVMN 	18	AC: 230V

Note: CDB6i-125 accessories are not sold separately, and they shall be assembled in factory if required.