9.3 SHT Shunt release

9.3.1 Function

Shunt releases operate according to electrical signals, enabling remote control and automatic control of circuit breakers. When the supply voltage When the voltage is equal to any voltage between 70% and 110% of the rated control power supply voltage, the shunt release should enable the circuit breaker to operate reliably.

9.3.2 Model description

SHT 21-M8 AC48V

- AC48V: Rated voltage : AC48V/110V/220-240V/380-415V; DC24V/48V/110-120V/220V
- M8: Series code: NM8N series
- 21: Frame code: 21 for 125 frame; 22 for 250/400/630 frame; 24 for 800 frame; 25 for 1600 frame
- SHT: Shunt release code

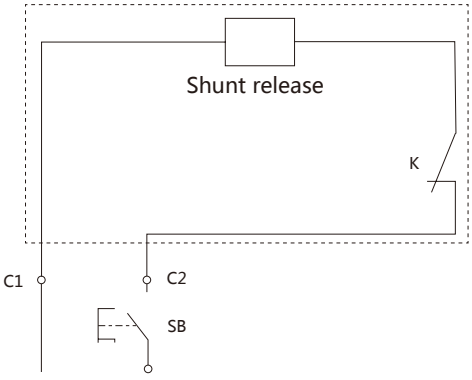
9.3.3 Electrical characteristics

Frame size	Power consumption (W)						
	AC48V	AC110V	AC220-240V	AC380-415V	DC24V	DC48V	DC220V
125A	2.2	2.2	2	2.5	2.5	2.2	2
250/400/630A	2.3	2.5	2.2	2.5	2.2	2.5	2.5
800A	2.3	2.5	2.2	2.5	2.2	2.5	2.5
1600A	110	195	480	560	230	110	160

9.3.4 Action characteristics

Can be powered for a long time. Response time: pulse type ≥ 20ms, ≤ 60ms

9.3.5 Wiring diagram



Note：When the rated control power supply voltage DC24V shunt release is used, the maximum length of the copper wire (each of the two wires) must meet the following table:

Conductor cross-sectional area / Rated control supply voltageUs(DC24V)	1.5mm²	2.5mm²
100%U_s	150m	250m
85%U_s	100m	160m