

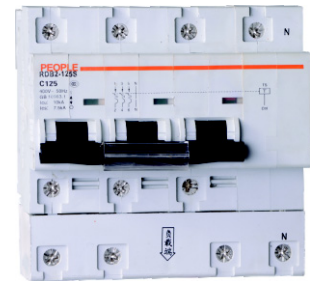
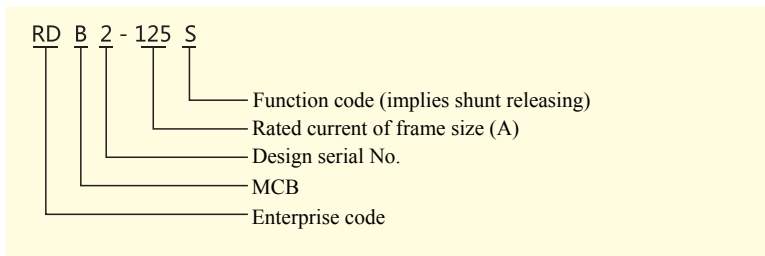
▶ Usage and its scope of application

RDB2-125S MCB is suitable for the control circuit of AC 50Hz or 60Hz, rated operating voltage 230V/400V, rated current 125A and below, to remotely control to break as well as auto signal control to break the circuit, meanwhile, it is used as over-load and short-circuit protection of circuit, and also the infrequently operating and switching of the circuit under the normal situation. At present, it is widely supporting the use of single-phase/three phase intelligent prepayment electric energy meter (such as IC card), to control the connection and breaking of the circuit. This product has high breaking capacity, small volume, light weight, strong general use of the accessory, and beautiful appearance, etc. advantages, and standard rail installation, convenient use.

Circuit breaker confirms to GB10963.1, IEC60898-1 standards.



▶ Model and its implication



▶ Normal operating condition and installation condition

3.1 Ambient temperature: -5 ~ +40 ; Average value in 24h does not exceed +35 .

3.2 Altitude height of Installation places does not exceed 2000m.

3.3 Condition of atmosphere

When it is the highest temperature +40 , the relative humidity does not exceed 50%, and it allows a certain high relative humidity when it is at relatively low temperature.

For example, it reaches 90% when 20 , and it should take special measurements when there occurring condensation due to the temperature variation.

3.4 Pollution grade: 2, 3

3.5 Installation condition: Installing at the places that without obvious impact and vibration, as well as the medium without danger (explosion).

3.6 Installation mode: installed by TH35-7.5 installation rail. It usually adopts the vertical installation, and the gradient between the installation side and the vertical side does not exceed ±5°.

3.7 Installation category: II, III grade

▶ Structure characteristics

4.1 The operation mechanism of circuit breaker is the energy storage type freedom releasing mechanism, which has the fast closing functions of contacts, it overcomes the bad influence caused by the manual operation speed and largely improves the service life of the product. The contacts only can be at the closing or breaking position when normally operating.

4.2 High breaking capacity, it can reaches 10kA.

4.3 The signal control releasing device is consisted of signal input terminal, signal processing system and electromagnetic releasing device, and it can remotely signal control through externally connecting the signal wire.

► RDB2-125S Series MCB

4.4 Product's small volume, light weight, modularization, unique appearance, which reasonably utilize the effective space layout.

4.5 Standard rail installation, which is convenient and time-saving.

► Main technique parameter

5.1 Specification and technique parameter (to see table 1)

Table 1

Model	Pole No.	Rated operating voltage (V)	Rated current (A)	Signal control releasing action time (t)
RDX2-125S	1P+N	230	63 80 100 125	0.5s ≤ t < 2s
	3P+N	400	63 80 100 125	

5.2 Rated short-circuit breaking capacity Icu: 10000A

5.3 Short-circuit releasing characteristics: C type: 5~10I_n, D type: 10~14I_n.

5.4 Rated control power voltage U_s: 230V

5.5 Over current delay action characteristics: to see table 2

Table 2

No.	Setting current	Setting time h		Predict results	Initial status
		I _n ≤ 63A	I _n > 63A		
1	1.13I _n	≤ 1	≤ 2	Not releasing	Cool status
2	1.45I _n	< 1	< 2	Releasing	Thermal status
3	5 (10) I _n	T ≤ 0.1s		Not releasing	Cool status
4	10 (14) I _n	T < 0.1s		Releasing	Cool status

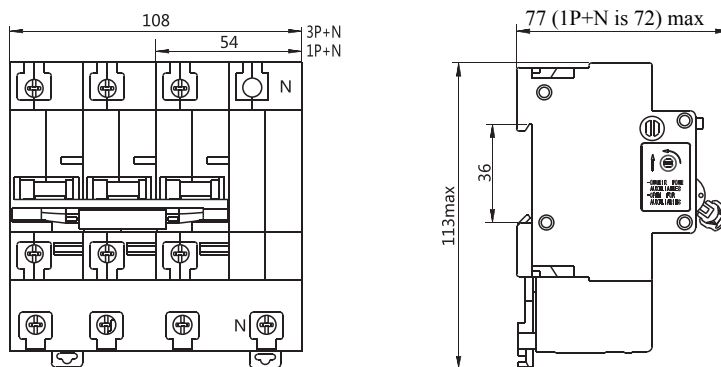
5.6 Insulation strength: can withstand 2000V, duration of 1min power-frequency voltage withstand.

5.7 Mechanical and electrical life: electrical life 2000 times, mechanical life: 10000 times.

► External and installation dimension

6.1 External and installation dimension to see map 3

6.2 Installation mode: adopts TH35-7.5 type standard rail installation



Map 3

► Ordering Notice

It required to be noted: product model and specification, Number of pole, rated current and required quantity
For example, RDB2-125S/1P+N, C80A, 5000 pcs