

DPN Series Miniature Circuit Breaker



1. Application

DPN is used in the single phase circuit of AC 50Hz/60Hz, rated voltage 230V or below for protecting circuit from overload and short circuit. This product has advantages of high breaking capacity, small volume, width is only 18mm. It conforms with the standards of IEC60898.

2. Main technical parameter

Type	DPN
Pole	1P+N
Rated current (A)	6, 10, 16, 20, 25, 32
Rated voltage(V)	230
Type of instantaneous release	C
Rated short circuit breaking capacity I _{cn} (A)	4500

3. Applicable conducting wire

Rated current(A)	Normal cross section of wire mm ²
$I_n \leq 6$	1
$6 < I_n \leq 13$	1.5
$13 < I_n \leq 20$	2.5
$20 < I_n \leq 25$	4
$25 < I_n \leq 32$	6

4. The over-current protection property

Ambient Temperature	Initial Status	Test Current	Expected Result	Expected Result	Note
30 ± 2°C	Cold position	1.13I _n	t ≤ 1h	Non-release	—
	Carried out immediately after previous test	1.45I _n	t < 1h	Release	—
	Cold position	2.55I _n	1s < t < 60s	Release	Current smoothly rises to specified value within 5s
-5~+40°C	Cold position	5I _n	t ≤ 0.1s	Non-release	Type C
	Cold position	10I _n	t < 0.1s	Release	Type C