



Solicita información



91 366 00 63

MR050 Residual Current Circuit Breaker With Overload Protection (RCBO)

Advantages

- ◆ Operating mechanism adopt double contact with DPN form, N pole opening first, then breaking.
- ◆ Leakage protection adopt electronic type integrated circuit, Contact ON/OFF state display;
- ◆ Trigger has middle-position function and a clamshell to put tags in and characteristic strips on both sides.
- ◆ Provides protection against earth fault/leakage current, short-circuit, overload, and function of isolation.



MR050-32

Technical Data

- ◆ Residual current characteristics: AC, A
- ◆ Pole No.: 1P+N
- ◆ Rated current (A): 6, 10, 16, 20, 25, 32
- ◆ Tripping curve: B, C
- ◆ Rated making and breaking capacity: 6000A
- ◆ Rated voltage: 240V AC
- ◆ Rated frequency: 50Hz
- ◆ Rated residual operating current $I_{\Delta n}$ (mA): 30
- ◆ Tripping duration: instantaneous tripping $\leq 0.1s$
- ◆ Electro-mechanical endurance: 4000 cycles
- ◆ Connection capacity: Rigid conductor 25mm²



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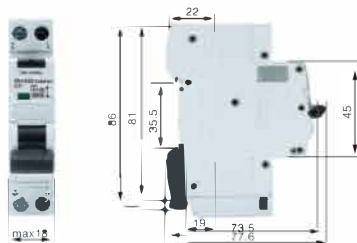


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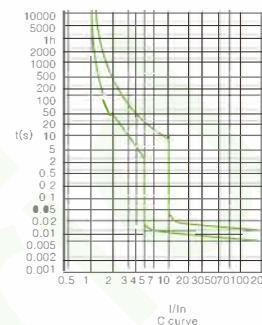
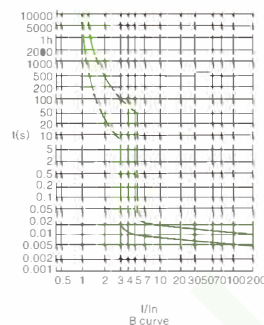
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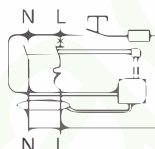
Overall & installation dimensions



Characteristic Curve



Wiring Diagram



Overload Current Protection Characteristics

Test Procedure	Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
A	B,C	$1.13I_n$	Cold	$t \geq 1h$	no tripping	
B	B,C	$1.45I_n$	after test a	$t < 1h$	tripping	current in the 5s in the increase of stability
C	B,C	$2.55I_n$	Cold	$1s < t < 60s$	tripping	
D	B	$3I_n$	Cold	$t \geq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	$5I_n$				
E	B	$10I_n$	Cold	$t < 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	$10I_n$				

Residual Current Action Breaking Time

type	I_n/A	$I \Delta n/A$	Residual Current($I \Delta n$) Is Corresponding To The Following Breaking Time(S)				
AC type	any value	any value	I_n	$2I_n$	$5I_n$	5A, 10A, 20A, 50A 100A, 200A, 500A	
A type	any value	> 0.01	$1.14I_n$	$2.8I_n$	$7I_n$		
A type	any value	≤ 0.01	$2I_n$	$4I_n$	$10I_n$		
			0.3	0.15	0.04	0.04	Max Break-time

The general type RCBO whose current $I \Delta n$ is 0.03mA or less can use 0.25A instead of $5I \Delta n$.