

Overcurrent and earth leakage protection and self-reclosing

MCB

MCB Series Circuit-Breaker



Description

MCB-P or **MCB-T** are circuit-breakers that combine the functions of a circuit breaker (overload and short-circuit protection) and those of a contactor on the same element.

There are two options with **MCB**:

- Closed circuit-breaker: Allows remote control functions (contactor function). It can be disconnected and reconnected electrically with the adequate signal.
- Circuit-breaker opened by an overload or short-circuit trip or by manual disconnection: remote control reset is not allowed, only manually.

The remote control function works on the same contacts as those of the circuit breaker, guaranteeing the disconnection in each case.

The **MCB-T** type includes a remote control module with two auxiliary, potential free (three-wire) contacts that indicate the status of the **MCB** at the input of the remote control (contactor function) and/or the circuit breaker.

Application

MCB are the perfect elements to guarantee self-reclosing earth leakage and overload protection applications, connected to **WRKRT-25** relays.

Features

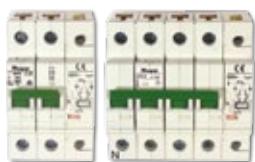
Circuit-breaker	
Gauges I_n (A)	6 - 10 - 16 - 20 - 25 - 32 - 40 - 50 - 63
Nominal cut-out power (EN 60898)	6 ... 63 A: 10 kA
Nominal cut-out power (EN 60947-2)	6 ... 16 A: 20 kA 20 ... 63 A: 15 kA
Typical curve	C or D, depending on the type
Nominal working voltage	230 / 400 Vac
Work frequency range	50 ... 60 Hz
Operating temperature	-25 ... +55 °C
Storage temperature	-40 ... +70 °C
Remote Control	
Nominal voltage	230 Vac
Activation impulse	20 ms
Deactivation impulse	20 ms
Construction features	
Fixing	DIN rail
Dimensions	2 poles: 3 modules 4 poles: 5 modules
Mechanical working life	20,000 operations
Weight	2 poles: 375 g 4 poles: 615 g
Degree of protection	IP 20 (DIN 40050)
Standards	
IEC 60898, EN 60947, EN 60898, IEC 60947-2	

Overcurrent and earth leakage protection and self-reclosing

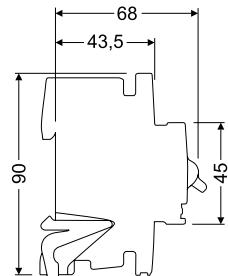
Dimensions

MCB

MCB Series Circuit-Breaker



MCB-P / MCB-T



References

I _n (A)	2 poles				4 poles			
	MCB-P		MCB-T		MCB-P		MCB-T	
	Type	Code	Type	Code	Type	Code	Type	Code
6	MCB-P C-2p-6A	P20210	MCB-T C-2p-6A	P20310	-	-	-	-
10	MCB-P C-2p-10A	P20211	MCB-T C-2p-10A	P20311	MCB-P C-4p-10A	P20221	MCB-T C-4p-10A	P20321
16	MCB-P C-2p-16A	P20213	MCB-T C-2p-16A	P20313	MCB-P C-4p-16A	P20223	MCB-T C-4p-16A	P20323
20	MCB-P C-2p-20A	P20214	MCB-T C-2p-20A	P20314	MCB-P C-4p-20A	P20224	MCB-T C-4p-20A	P20324
25	MCB-P C-2p-25A	P20215	MCB-T C-2p-25A	P20315	MCB-P C-4p-25A	P20225	MCB-T C-4p-25A	P20325
32	MCB-P C-2p-32A	P20216	MCB-T C-2p-32A	P20316	MCB-P C-4p-32A	P20226	MCB-T C-4p-32A	P20326
40	MCB-P C-2p-40A	P20217	MCB-T C-2p-40A	P20317	MCB-P C-4p-40A	P20227	MCB-T C-4p-40A	P20327
50	MCB-P C-2p-50A	P20218	MCB-T C-2p-50A	P20318	MCB-P C-4p-50A	P20228	MCB-T C-4p-50A	P20328
63	MCB-P C-2p-63A	P20219	MCB-T C-2p-63A	P20319	MCB-P C-4p-63A	P20229	MCB-T C-4p-63A	P20329

Connections

