



Overview

MDB7-100ARD electric energy meter external circuit breaker (hereinafter referred to as circuit breaker) is suitable for AC 50Hz, rated working voltage up to 400V, rated current to 100A, long-distance control breaking or closing operation of the line, at the same time The line acts as an overload and short circuit protection, and can also be used as an infrequent operation conversion of the line. At present, it is widely used in intelligent prepaid meters to control the closing and breaking of lines.
Meet the standard: GB10963.1, IEC60898-1.

The main technical parameters

Electrical performance

Project	Parameter	Project	Parameter
Number of poles	2P、4P	Instantaneous trip type	C
Features	Short circuit protection, overload protection, isolated, remote split/close control	Rated short-circuit breaking capacity	Ics=Icn=6000A
Rack rated current value Inm	100A	Mechanical life	10000
Rack rated current value Inm	230V AC(2P)/400V AC(4P)	Electrical life	6000
Rated current In	32A, 40A, 50A, 63A, 80A,100A	Overcurrent tripping characteristics	See Table 1 and Figure 1

Remote control function

Project	Parameter	Project	Parameter
Closing time	tc≤3s	Split/close switch	Phase line power
Power-on delay	td≤4s	Phase leakage current	IL≤0.2mA
Control level voltage	220V AC±30%	Control signal indicator	Have
Control level current	Ic≤1mA	Feedback signal	Have
Closing module power take-off mode	Take power before the control line meter, take power after closing/opening the short timetable	Split/close operation mode	Built-in shaft drive