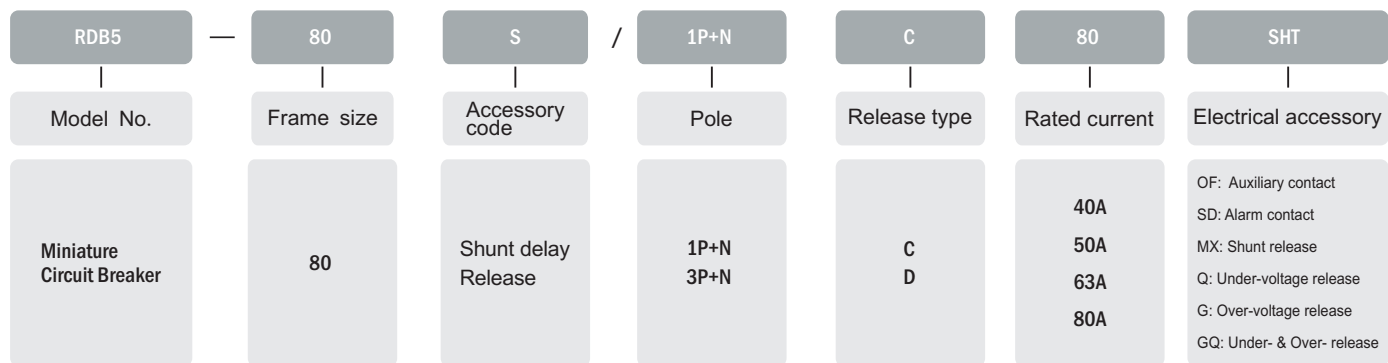


## RDB5-80S series Prepaid Miniature Circuit Breaker

### Introduction

RDB5-80S series Prepaid Circuit Breaker(MCB) is mainly applied to distribute protect circuit of AC50/60Hz, Rated operate voltage 230/400V, Rated current up to 80A, Rated short-circuit breaking capacity up to 6kA, is mainly used to working with Single-phase/Three-phase IC-card energy power meters for remote arrears tripping, also works for protecting circuit against overload and short-circuit, and unfrequently transferring, making and breaking. Standard: IEC60898-1 GB10963.1

### Type selection



### Main technical parameter

Frame size rated current In(A)	80
Rated current In(A)	40, 50, 63, 80
Function	short-circuit protect, overload protect, when electricity is empty, it turns off the power automatically.
Pole	1P+N、 3P+N
Rated frequency(Hz)	50
Rated insulation voltage Ui(V)	AC400
Rated impulse withstand voltage Uimp(V)	4000
Rated operated voltage Ue(V)	230/400
Arc distance(mm)	≤50
Short-circuit breaking capacity Ics(kA)	6000
Instantaneous trip characteristic	C、 D
Shunt release time	1s<t<2s, 2s<t<4s
Mechanical life	20000
Electrical life	10000
Ingress Protection	IP20
Basic temperature set( °C)	30°C
Environmental pollution level	2
Connect capacity(mm <sup>2</sup> )	1~25
Operate temperature( °C)	-35~+70
Altitude(m)	5000
Relative humidity	+20°C, Max 95%; +40°C, Max 50%
Install tyoe	II, III Level
Install method	TH35-7.5 Mounted Rail
Input line method	Up input