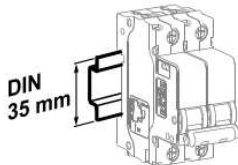


Functions and features

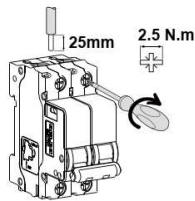
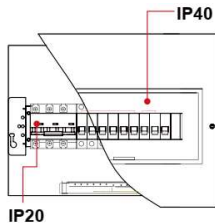
DZ47s-80 Miniature Standard Circuit Breaker

Applied standards:
GB/T10963.1 IEC/EN60898-1

Conformity certification:



Installed on the 35mm standard rail



Flexible installation direction

DZ47s-80, DZ47s-80H miniature standard circuit breaker has the following functions

- Short-circuit protection
- Overload protection
- Isolation function

Main features

Rated working voltage (V)	AC 230
Rated current (A)	80
Rated frequency (Hz)	50
Number of poles	1P, 2P
Breaking capacity (kA)	DZ47s-80: 4.5kA(1P), 6kA(2P); DZ47s-80H: 10kA(2P)

Electrical characteristics

Rated insulation voltage U_i (V)	500
Max. working voltage U_{Bmax} (V)	230 AC
Rated short-circuit capacity I_{cn} (IEC/EN60898) (kA)	DZ47s-80: 4.5kA(1P), 6kA(2P); DZ47s-80H: 10kA(2P)
Rated impulse withstand voltage U_{imp} (1.2/50) (kV)	4
Dielectric test voltage	2kV (50/60Hz, 1 minute)
Isolation function	Yes
Pollution level	2
Trip form	Thermal magnetic trip
Thermal magnetic trip characteristics	C-shaped curve ($5I_n \sim 10I_n$)
Electrical and mechanical accessories	■

Mechanical properties

Handle	Red, transfer printing indicates ON-OFF position	
Mechanical life	Times	20000
Electrical life	Times	10000
Protection grade	Installed in a power distribution box	IP40
	Installed directly	IP20
Mechanical shock resistance	30g, 3 shocks, duration 11ms (Installed in a place where there is no obvious vibration or shock)	
Vibration resistance (IEC/EN 60068-2-6)	Installed in a place where there is no obvious vibration or shock	
Damp heat resistance (IEC 60068-2)	Damp heat	°C/RH
	Class 2, 28 cycles The relative humidity is 90%-96% at the temperature 55°C The relative humidity is 95%-100% at the temperature 25°C	
Reference ambient temperature	°C	-30°C
Ambient temperature (daily mean temperature $\leq +35^\circ\text{C}$)	°C	-35°C~+70°C
Storage temperature	°C	-40°C~+85°C

Installation features

Wiring terminal form	Tunnel-type wiring terminal
Max. wiring capacity	1-2.5mm ²
Max. limit torque	2.5N.m
Tools	Cross screwdriver or slotted screwdriver
Installation	Installed in the standard DIN rail (35mm)
Incoming method	Top or bottom