Functions and features
DZ47s Miniature Standard Circuit Breaker

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

Conformity certification:

DZ47s miniature standard circuit breaker has the following functions

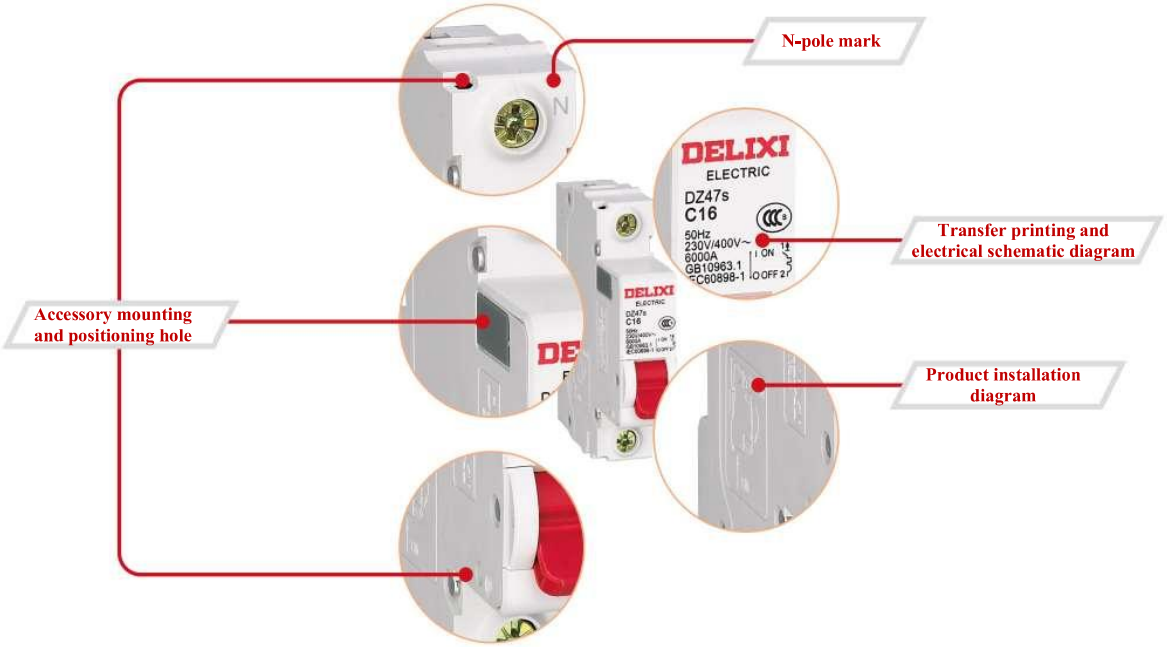
- Short-circuit protection
- Overload protection
- Isolation function



Main features

Rated working voltage (V)	1P: 230/400 AC
	1P+N: 230 AC
	2P, 3P, 3P+N, 4P: 400 AC
Rated current (A)	1-63
Rated frequency (Hz)	50
Number of poles	1P, 1P+N, 2P, 3P, 3P+N, 4P
Breaking capacity (kA)	6

Product details



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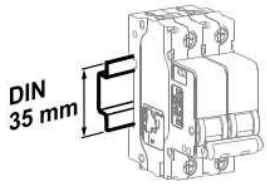
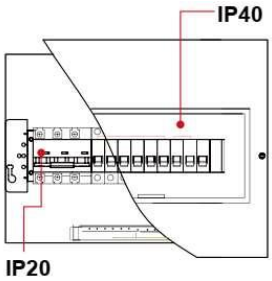
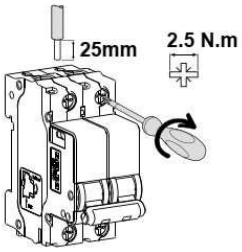


Installed on the 35mm standard rail







Flexible installation direction

Electrical characteristics			
Rated insulation voltage Ui (V)			500
Max. working voltage U_{Bmax}	1P	(V)	230/400 AC
	1P+N	(V)	230 AC
	2P, 3P, 4P, 3P+N	(V)	400 AC
Rated short-circuit capacity Icn (IEC/EN60898) (kA)			6
Rated impulse withstand voltage Uimp (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	B-type curve (3In~5In)		■
	C-shaped curve (5In~10In)		■
	D-shaped curve (10In~14In)		■
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 ≤ +35°C)		°C	-35°C~+70°C
Storage temperature		°C	-40°C~+85°C

Installation features	
Wiring terminal form	U-shaped wiring terminal
Max. wiring capacity	Current class 1-63A: 2.5mm^2
Max. limit torque	Current class 1-63A: 2.5N.m
Tools	Cross screwdriver or slotted screwdriver
Installation	Installed in the standard DIN rail (35mm)
Incoming method	Top or bottom

Product models
DZ47s Miniature Standard Circuit Breaker

DZ47s Miniature Standard Circuit Breaker

Product name	Breaking capacity	Number of poles	Trip type	Rated current
DZ47s	N	1	C	6
	N：6kA	1：1P 2：2P 3：3P 4：4P 5：1P+N 6：3P+N	B: B type C: C type D: D type	1：1A 2：2A 3：3A 4：4A 6：6A 8：8A 10：10A 13：13A 16：16A 20：20A 25：25A 32：32A 40：40A 50：50A 63：63A

DZ47s Miniature Standard Circuit Breaker	Type	Rated current	Trip type		
			B	C	D
	1P 	1	-	DZ47sN1C1	DZ47sN1D1
		2	-	DZ47sN1C2	DZ47sN1D2
		3	-	DZ47sN1C3	DZ47sN1D3
		4	-	DZ47sN1C4	DZ47sN1D4
		5	-	DZ47sN1C5	DZ47sN1D5
		6	DZ47sN1B6	DZ47sN1C6	DZ47sN1D6
		8	DZ47sN1B8	DZ47sN1C8	DZ47sN1D8
		10	DZ47sN1B10	DZ47sN1C10	DZ47sN1D10
		13	DZ47sN1B13	DZ47sN1C13	DZ47sN1D13
		16	DZ47sN1B16	DZ47sN1C16	DZ47sN1D16
		20	DZ47sN1B20	DZ47sN1C20	DZ47sN1D20
		25	DZ47sN1B25	DZ47sN1C25	DZ47sN1D25
		32	DZ47sN1B32	DZ47sN1C32	DZ47sN1D32
		40	DZ47sN1B40	DZ47sN1C40	DZ47sN1D40
		50	DZ47sN1B50	DZ47sN1C50	DZ47sN1D50
		63	DZ47sN1B63	DZ47sN1C63	DZ47sN1D63
	1P+N 	10	DZ47sN5B10	DZ47sN5C10	DZ47sN5D10
		13	DZ47sN5B13	DZ47sN5C13	DZ47sN5D13
		16	DZ47sN5B16	DZ47sN5C16	DZ47sN5D16
		20	DZ47sN5B20	DZ47sN5C20	DZ47sN5D20
		25	DZ47sN5B25	DZ47sN5C25	DZ47sN5D25
		32	DZ47sN5B32	DZ47sN5C32	DZ47sN5D32
		40	DZ47sN5B40	DZ47sN5C40	DZ47sN5D40
		50	DZ47sN5B50	DZ47sN5C50	DZ47sN5D50
		63	DZ47sN5B63	DZ47sN5C63	DZ47sN5D63
	2P 	1	-	DZ47sN2C1	DZ47sN2D1
		2	-	DZ47sN2C2	DZ47sN2D2
		3	-	DZ47sN2C3	DZ47sN2D3
		4	-	DZ47sN2C4	DZ47sN2D4
		5	-	DZ47sN2C5	DZ47sN2D5
		6	DZ47sN2B6	DZ47sN2C6	DZ47sN2D6
		8	DZ47sN2B8	DZ47sN2C8	DZ47sN2D8
		10	DZ47sN2B10	DZ47sN2C10	DZ47sN2D10
		13	DZ47sN2B13	DZ47sN2C13	DZ47sN2D13
		16	DZ47sN2B16	DZ47sN2C16	DZ47sN2D16
		20	DZ47sN2B20	DZ47sN2C20	DZ47sN2D20
		25	DZ47sN2B25	DZ47sN2C25	DZ47sN2D25
		32	DZ47sN2B32	DZ47sN2C32	DZ47sN2D32
		40	DZ47sN2B40	DZ47sN2C40	DZ47sN2D40
		50	DZ47sN2B50	DZ47sN2C50	DZ47sN2D50
		63	DZ47sN2B63	DZ47sN2C63	DZ47sN2D63

Product models
DZ47s Miniature Standard Circuit Breaker

DZ47s Miniature Standard Circuit Breaker


1P

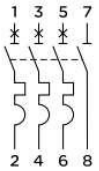
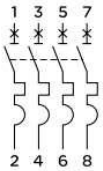

1P+N


2P


3P


3P+N


4P

DZ47s Miniature Standard Circuit Breaker	Type	Rated current	Trip type		
			B	C	D
	3P	1	-	DZ47sN3C1	DZ47sN3D1
		2	-	DZ47sN3C2	DZ47sN3D2
		3	-	DZ47sN3C3	DZ47sN3D3
		4	-	DZ47sN3C4	DZ47sN3D4
		5	-	DZ47sN3C5	DZ47sN3D5
		6	DZ47sN3B6	DZ47sN3C6	DZ47sN3D6
		8	DZ47sN3B8	DZ47sN3C8	DZ47sN3D8
		10	DZ47sN3B10	DZ47sN3C10	DZ47sN3D10
		13	DZ47sN3B13	DZ47sN3C13	DZ47sN3D13
		16	DZ47sN3B16	DZ47sN3C16	DZ47sN3D16
		20	DZ47sN3B20	DZ47sN3C20	DZ47sN3D20
		25	DZ47sN3B25	DZ47sN3C25	DZ47sN3D25
		32	DZ47sN3B32	DZ47sN3C32	DZ47sN3D32
		40	DZ47sN3B40	DZ47sN3C40	DZ47sN3D40
		50	DZ47sN3B50	DZ47sN3C50	DZ47sN3D50
		63	DZ47sN3B63	DZ47sN3C63	DZ47sN3D63
	3P+N	10	DZ47sN6B10	DZ47sN6C10	DZ47sN6D10
		13	DZ47sN6B13	DZ47sN6C13	DZ47sN6D13
		16	DZ47sN6B16	DZ47sN6C16	DZ47sN6D16
		20	DZ47sN6B20	DZ47sN6C20	DZ47sN6D20
		25	DZ47sN6B25	DZ47sN6C25	DZ47sN6D25
		32	DZ47sN6B32	DZ47sN6C32	DZ47sN6D32
		40	DZ47sN6B40	DZ47sN6C40	DZ47sN6D40
		50	DZ47sN6B50	DZ47sN6C50	DZ47sN6D50
		63	DZ47sN6B63	DZ47sN6C63	DZ47sN6D63
	4P	1	-	DZ47sN4C1	DZ47sN4D1
		2	-	DZ47sN4C2	DZ47sN4D2
		3	-	DZ47sN4C3	DZ47sN4D3
		4	-	DZ47sN4C4	DZ47sN4D4
		5	-	DZ47sN4C5	DZ47sN4D5
		6	DZ47sN4B6	DZ47sN4C6	DZ47sN4D6
		8	DZ47sN4B8	DZ47sN4C8	DZ47sN4D8
		10	DZ47sN4B10	DZ47sN4C10	DZ47sN4D10
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		25	DZ47sN4B25	DZ47sN4C25	DZ47sN4D25
		32	DZ47sN4B32	DZ47sN4C32	DZ47sN4D32
		40	DZ47sN4B40	DZ47sN4C40	DZ47sN4D40
		50	DZ47sN4B50	DZ47sN4C50	DZ47sN4D50
		63	DZ47sN4B63	DZ47sN4C63	DZ47sN4D63