

KWB9–DPN Series

“Phase+Neutral” Circuit Breaker

Standard	IEC/EN 60898-1
Breaking capacity(kA)	4.5,6
Protection	Against Overload and short circuit
Rated insulation voltage Ui(V)	500
Rated impulse withstand voltage Uimp(kV)	4
Rated current(A) In	6,10,13,16,20,25,32
Rated voltage(V)	AC 240
Characteristic	B,C Curve
Number of poles	1P+N
Type of trip	Thermal/magnetic release
Terminal capacity	1–10mm ² wire
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	18mm per pole
Electrical endurance	4000
Mechanical endurance	10000
Altitude	≤2000m
Certification	  



KWB9-DPN4.5K



KWB9-DPN6K

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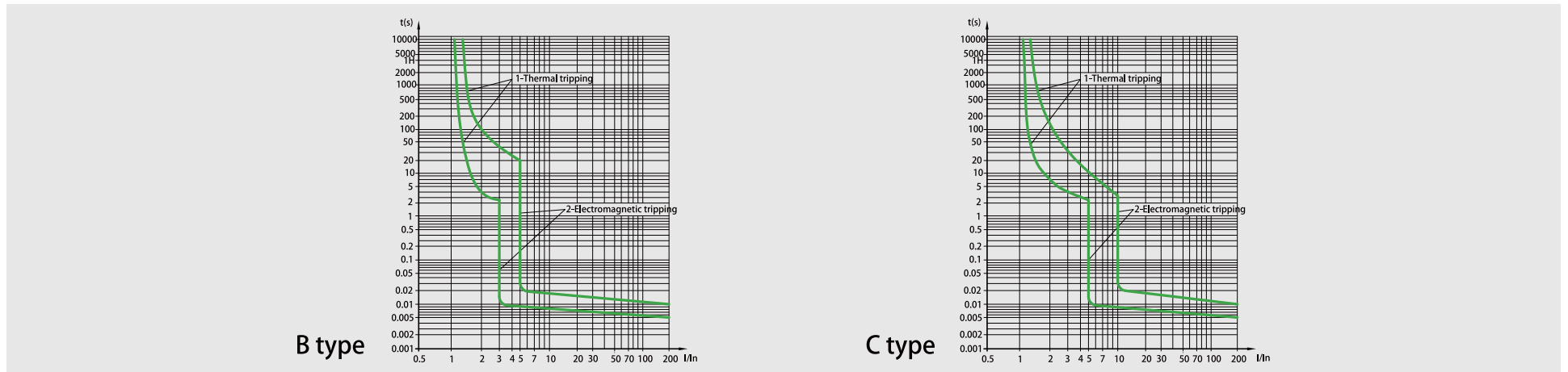
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	Rated current(A)	B curve	C curve	Packing unit
 KWB9-DPN4.5K	6	KWB9-DPN4.5K-B6	KWB9-DPN4.5K-C6	12
	10	KWB9-DPN4.5K-B10	KWB9-DPN4.5K-C10	
	13	KWB9-DPN4.5K-B13	KWB9-DPN4.5K-C13	
	16	KWB9-DPN4.5K-B16	KWB9-DPN4.5K-C16	
	20	KWB9-DPN4.5K-B20	KWB9-DPN4.5K-C20	
	25	KWB9-DPN4.5K-B25	KWB9-DPN4.5K-C25	
	32	KWB9-DPN4.5K-B32	KWB9-DPN4.5K-C32	
 KWB9-DPN6K	6	KWB9-DPN6K-B6	KWB9-DPN6K-C6	12
	10	KWB9-DPN6K-B10	KWB9-DPN6K-C10	
	13	KWB9-DPN6K-B13	KWB9-DPN6K-C13	
	16	KWB9-DPN6K-B16	KWB9-DPN6K-C16	
	20	KWB9-DPN6K-B20	KWB9-DPN6K-C20	
	25	KWB9-DPN6K-B25	KWB9-DPN6K-C25	
	32	KWB9-DPN6K-B32	KWB9-DPN6K-C32	

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Curves



Wiring (The suitable conductors should be used for connection, see table below for relative parameters)

Rated current I_n (A)	Nominal cross sectional area(mm ²)	Tightening torque (N.m)
6	1	1.2
10-13	1.5	
16-20	2.5	
25	4	
32	6	

Overcurrent protecting characteristics

NO.	Rated current of release(A)	Initial state	Test current	Specified time	Result to be obtained	Remarks	Reference Temperature
1	6-32	Cold state	$1.13I_n$	$t \geq 1h$	No-trip		30°C+5°C
2	6-32	Upon the previous test	$1.45I_n$	$t < 1h$	Trip	Setting current up to specified value steadily in 5s	
3	$I_n \leq 32$	Cold state	$2.55I_n$	$1s < t < 60s$	Trip		
4	6-32	Cold state	$3I_n$	$t \geq 0.1s$	No-trip	B type	
			$5I_n$	$t < 0.1s$	Trip	B type	
			$5I_n$	$t \geq 0.1s$	No-trip	C type	
			$10I_n$	$t < 0.1s$	Trip	C type	

Features

Compact design and cost-effective;
Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties; Potential electric shock is avoided thanks to neutral-line being directly connected to the product;
Convenient and time-saving mounting.

Overall and mounting dimensions

