KWB9–125H/M/L Series Miniature Circuit Breaker

Standard	IEC/EN 60898-1	IEC/EN 60947-2
Thermal operating limit	(1.13-1.45)xIn	(1.05-1.30)xIn
Magnetic operating	B:(3-5)xIn;C:(5-10)xIn;D:(10-20)xIn	Ii=8In;Ii=10In;Ii=12In
Protection	Against overload and short circuit	
Rated current(A) In	63,80,100,125	
Rated voltage(V)	230/400,240/415VAC for 1P ; 400/415VAC for 2P,3P,4P	
Rated insulation voltage Ui(V)	500	
Number of poles	1P,2P,3P,4P	
Type of trip	Thermal/ magnetic release	
Terminal capacity	Flexible cables: 1.5 to 35mm^2 Rigid cables: 1 to 50mm^2	
Installation	Mounting on 35mm DIN rail	
Width	27mm per pole	
Certification	DEKRA CE CB	VDE CE CB

KWB9-125H/M/L-1P

KWB9-125H/M/L-2P

KWB9-125H/M/L-3P

KWB9-125H/M/L-4P

KWB9–125H/M/L Series Miniature Circuit Breaker

	Rated current(A)	IEC/EN 60898-1			Packing unit
		B curve	C curve	D curve	
KWB9-125H/M/L-1P	63	KWB9-125H/M/L/1-B63	KWB9-125H/M/L/1-C63	KWB9-125H/M/L/1-D63	12
	80	KWB9-125H/M/L/1-B80	KWB9-125H/M/L/1-C80	KWB9-125H/M/L/1-D80	
	100	KWB9-125H/M/L/1-B100	KWB9-125H/M/L/1-C100	KWB9-125H/M/L/1-D100	
	125	KWB9-125H/M/L/1-B125	KWB9-125H/M/L/1-C125	KWB9-125H/M/L/1-D125	
KWB9-125H/M/L-2P	63	KWB9-125H/M/L/2-B63	KWB9-125H/M/L/2-C63	KWB9-125H/M/L/2-D63	6
	80	KWB9-125H/M/L/2-B80	KWB9-125H/M/L/2-C80	KWB9-125H/M/L/2-D80	
	100	KWB9-125H/M/L/2-B100	KWB9-125H/M/L/2-C100	KWB9-125H/M/L/2-D100	
	125	KWB9-125H/M/L/2-B125	KWB9-125H/M/L/2-C125	KWB9-125H/M/L/2-D125	
KWB9-125H/M/L-3P	63	KWB9-125H/M/L/3-B63	KWB9-125H/M/L/3-C63	KWB9-125H/M/L/3-D63	4
	80	KWB9-125H/M/L/3-B80	KWB9-125H/M/L/3-C80	KWB9-125H/M/L/3-D80	
	100	KWB9-125H/M/L/3-B100	KWB9-125H/M/L/3-C100	KWB9-125H/M/L/3-D100	
	125	KWB9-125H/M/L/3-B125	KWB9-125H/M/L/3-C125	KWB9-125H/M/L/3-D125	
KWB9-125H/M/L-4P	63	KWB9-125H/M/L/4-B63	KWB9-125H/M/L/4-C63	KWB9-125H/M/L/4-D63	3
	80	KWB9-125H/M/L/4-B80	KWB9-125H/M/L/4-C80	KWB9-125H/M/L/4-D80	
	100	KWB9-125H/M/L/4-B100	KWB9-125H/M/L/4-C100	KWB9-125H/M/L/4-D100	
	125	KWB9-125H/M/L/4-B125	KWB9-125H/M/L/4-C125	KWB9-125H/M/L/4-D125	

KWB9–125H/M/L Series Miniature Circuit Breaker

	Rated current(A)	IEC/EN 60947-2			Packing unit
		Ii=8In	Ii=10In	Ii=12In	
KWB9-125H/M/L-1P	63	KWB9-125H/M/L/1-63Ii8	KWB9-125H/M/L/1-63Ii10	KWB9-125H/M/L/1-63Ii12	12
	80	KWB9-125H/M/L/1-80Ii8	KWB9-125H/M/L/1-80Ii10	KWB9-125H/M/L/1-80Ii12	
	100	KWB9-125H/M/L/1-100Ii8	KWB9-125H/M/L/1-100Ii10	KWB9-125H/M/L/1-100Ii12	
	125	KWB9-125H/M/L/1-125Ii8	KWB9-125H/M/L/1-125Ii10	KWB9-125H/M/L/1-125Ii12	
KWB9-125H/M/L-2P	63	KWB9-125H/M/L/2-63Ii8	KWB9-125H/M/L/2-63Ii10	KWB9-125H/M/L/2-63Ii12	6
	80	KWB9-125H/M/L/2-80Ii8	KWB9-125H/M/L/2-80Ii10	KWB9-125H/M/L/2-80Ii12	
	100	KWB9-125H/M/L/2-100Ii8	KWB9-125H/M/L/2-100Ii10	KWB9-125H/M/L/2-100Ii12	
	125	KWB9-125H/M/L/2-125Ii8	KWB9-125H/M/L/2-125Ii10	KWB9-125H/M/L/2-125Ii12	
KWB9-125H/M/L-3P	63	KWB9-125H/M/L/3-63Ii8	KWB9-125H/M/L/3-63Ii10	KWB9-125H/M/L/3-63Ii12	4
	80	KWB9-125H/M/L/3-80Ii8	KWB9-125H/M/L/3-80Ii10	KWB9-125H/M/L/3-80Ii12	
	100	KWB9-125H/M/L/3-100Ii8	KWB9-125H/M/L/3-100Ii10	KWB9-125H/M/L/3-100Ii12	
	125	KWB9-125H/M/L/3-125Ii8	KWB9-125H/M/L/3-125Ii10	KWB9-125H/M/L/3-125Ii12	
KWB9-125H/M/L-4P	63	KWB9-125H/M/L/4-63Ii8	KWB9-125H/M/L/4-63Ii10	KWB9-125H/M/L/4-63Ii12	3
	80	KWB9-125H/M/L/4-80Ii8	KWB9-125H/M/L/4-80Ii10	KWB9-125H/M/L/4-80Ii12	
	100	KWB9-125H/M/L/4-100Ii8	KWB9-125H/M/L/4-100Ii10	KWB9-125H/M/L/4-100Ii12	
	125	KWB9-125H/M/L/4-125Ii8	KWB9-125H/M/L/4-125Ii10	KWB9-125H/M/L/4-125Ii12	

Overcurrent protecting characteristics

Standard	IEC/EN 60947-2		
Short-time delay	Overload tripping characteristic		
	Test current	Tripping characteristic	Test requirements
	2.55In		1s < t < 120s
Long-time delay	Inverse time overload protection characteristic (reference ambient temperature +30℃)		
	Test current designation / Current setting multiplier / Conventional time / Initial condition		
		In≤63A	In > 63A
	Conventional No-tripping current	1.05	≥1h	≥2h	Cold state
	Conventional tripping current	1.3	< 1h	< 2h	Immediately following the 1.05In test
2In overload protection characteristic (reference ambient temperature +30℃) shall meet the requirements in the following table Time setting and tolerance: 2In tripping time ≤ 10 minutes			

Standard	IEC/EN 60898-1		
Short-time delay	Overload tripping characteristic		
	Test current	Tripping characteristic	Test requirements
	2.55In		1s < t < 120s
Long-time delay	Inverse time overload protection characteristic (reference ambient temperature +30℃)		
	Test current designation / Current setting multiplier / Conventional time / Initial condition		
		In≤63A	In > 63A
	Conventional No-tripping current	1.13	≥1h	≥2h	Cold state
	Conventional tripping current	1.45	< 1h	< 2h	Immediately following the 1.13In test

Endurance(operations)

	Category	Operations		Category	Operations
IEC/EN 60898-1	Electrical endurance	5000	IEC/EN 60947-2	Electrical endurance	3000
	Mechanical endurance	10000		Mechanical endurance	8500

Curves

IEC/EN 60947-2	Ii=8In	6.4In	≥0.2sNo-trip	IEC/EN 60898-1	B	3In	≥0.1sNo-trip
		9.6In	< 0.2sTrip			5In	< 0.1sTrip
	Ii=10In	8In	≥0.2sNo-trip		C	5In	≥0.1sNo-trip
		12In	< 0.2sTrip			10In	< 0.1sTrip
	Ii=12In	9.6In	≥0.2sNo-trip		D	10In	≥0.1sNo-trip
		14.4In	< 0.2sTrip			20In	< 0.1sTrip

Breaking capacity

Standard	IEC/EN 60898-1			Standard	IEC/EN 60947-2		
Breaking capacity level	H	M	L	Breaking capacity level	H	M	L
Icn （kA）	15	10	6	Icu （kA）	15	10	6
Ics （kA）	10	7.5	6	Ics （kA）	7.5	7.5	6

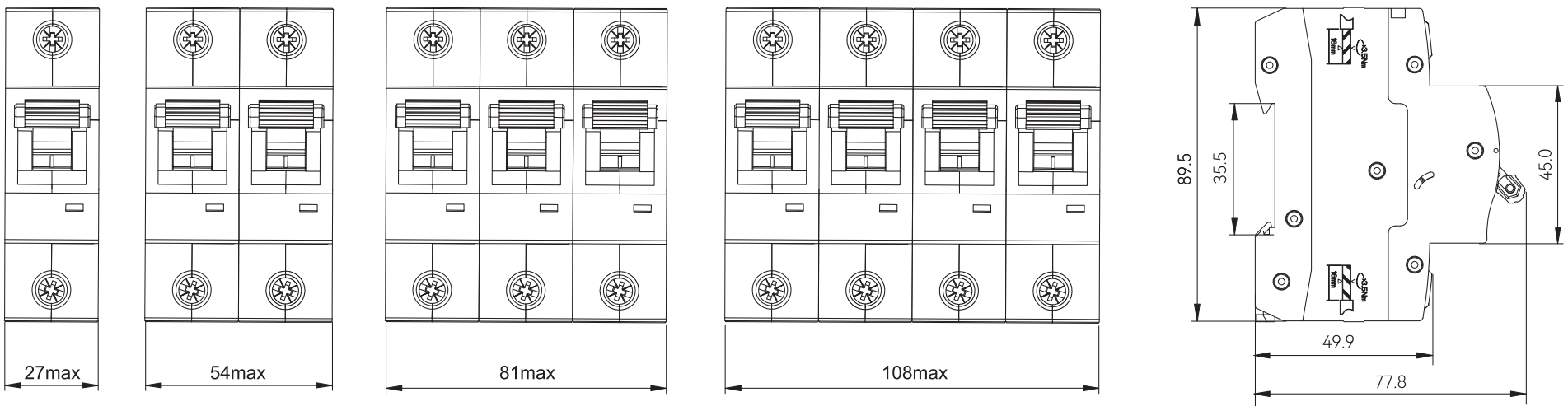
Wiring (The suitable conductors should be used for connection, see table below for relative parameters)

Rated current In(A)	Nominal cross section area s(mm^2)	Tightening torque (N.m)
63	16	3.5
80	25	
100	35	
125	50	

Features

- Service life of product has been greatly enhanced through special designed tripping mechanism.
- Long-time and reliable operation.
- Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties.
- Compact and modularized design.
- Convenient mounting.
- Full sets of additional components and full sets of accessories.

Overall and mounting dimensions



KWB9-125H/M/L