


# MCB SERIES

Miniature Circuit Breaker



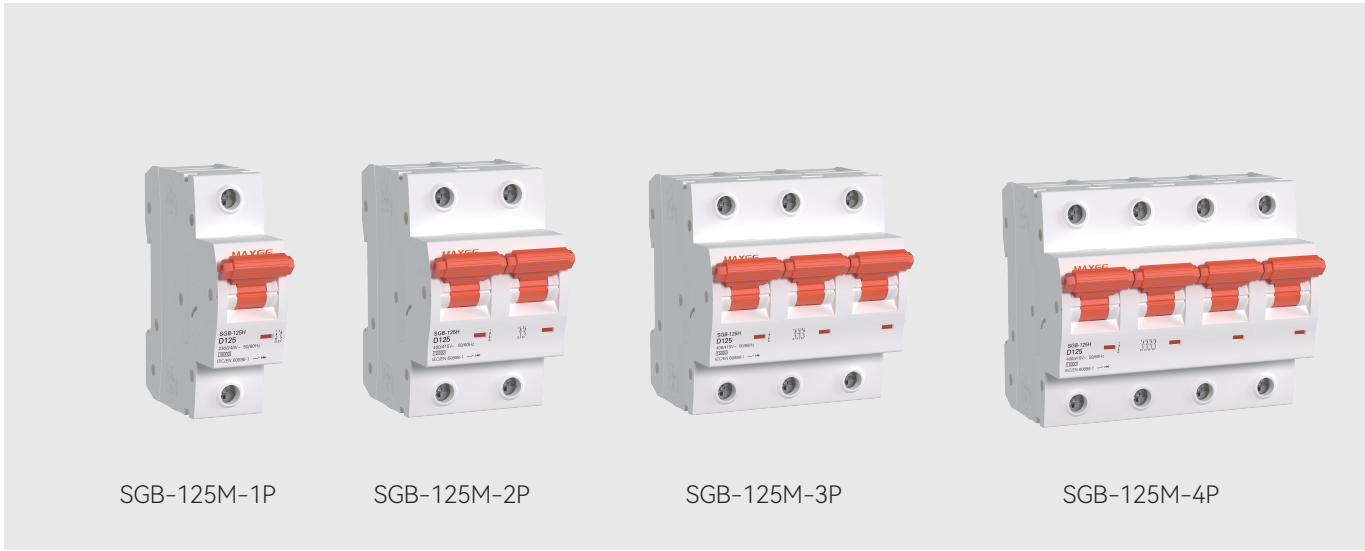
## Products Overview of Circuit Breakers

Product name	HR MCB	
Product range	SGB-125L	SGB-125H
Product picture		
Standard	IEC/EN 60898-1 IEC/EN 60947-2	
Number of poles	1P,2P,3P,4P	
Electrical characteristics		
Rated current(A) In	40-125	
Rated voltage(V)	AC 240,415	
AC rated short-circuit capacity(kA)		
Breaking capacity (Icn/Icu)kA	IEC-60898-1	IEC-60947-2
	6	10
Tripping curve	B,C,D	8-12In
Type	AC	
Electrical auxiliaries	-	
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SGB - 125M Series

Miniature Circuit Breaker

Standard	IEC60898-1	IEC60947-2
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	(8-12)xIn
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	
Characteristic	B,C,D Curve	
Number of poles	1P,2P,3P,4P	
Type of trip	Thermal/ magnetic release	
Terminal capacity	Flexible cables: 1.5 to 35mm <sup>2</sup> Rigid cables: 1 to 50mm <sup>2</sup>	
Installation	Mounting on 35mm DIN rail	
Width	27mm per pole	
Certification	<div> <div>KEMA EUR</div> <div>CE</div> <div>CB</div> </div>	



## SGB-125M Series

## Miniature Circuit Breaker

	Rated current(A)	IEC60898-1			IEC60947-2	Packing unit
		B curve	C curve	D curve		
 SGB-125M-1P	63	SGB-125M/1-B63	SGB-125M/1-C63	SGB-125M/1-D63	SGB-125M/1-63	12
	80	SGB-125M/1-B80	SGB-125M/1-C80	SGB-125M/1-D80	SGB-125M/1-80	
	100	SGB-125M/1-B100	SGB-125M/1-C100	SGB-125M/1-D100	SGB-125M/1-100	
	125	SGB-125M/1-B125	SGB-125M/1-C125	SGB-125M/1-D125	SGB-125M/1-125	
 SGB-125M-2P	63	SGB-125M/2-B63	SGB-125M/2-C63	SGB-125M/2-D63	SGB-125M/2-63	6
	80	SGB-125M/2-B80	SGB-125M/2-C80	SGB-125M/2-D80	SGB-125M/2-80	
	100	SGB-125M/2-B100	SGB-125M/2-C100	SGB-125M/2-D100	SGB-125M/2-100	
	125	SGB-125M/2-B125	SGB-125M/2-C125	SGB-125M/2-D125	SGB-125M/2-125	
 SGB-125M-3P	63	SGB-125M/3-B63	SGB-125M/3-C63	SGB-125M/3-D63	SGB-125M/3-63	4
	80	SGB-125M/3-B80	SGB-125M/3-C80	SGB-125M/3-D80	SGB-125M/3-80	
	100	SGB-125M/3-B100	SGB-125M/3-C100	SGB-125M/3-D100	SGB-125M/3-100	
	125	SGB-125M/3-B125	SGB-125M/3-C125	SGB-125M/3-D125	SGB-125M/3-125	
 SGB-125M-4P	63	SGB-125M/4-B63	SGB-125M/4-C63	SGB-125M/4-D63	SGB-125M/4-63	3
	80	SGB-125M/4-B80	SGB-125M/4-C80	SGB-125M/4-D80	SGB-125M/4-80	
	100	SGB-125M/4-B100	SGB-125M/4-C100	SGB-125M/4-D100	SGB-125M/4-100	
	125	SGB-125M/4-B125	SGB-125M/4-C125	SGB-125M/4-D125	SGB-125M/4-125	



## SGB - 125M Series

## Miniature Circuit Breaker

### Breaking capacity

Standard	IEC60898-1			IEC60947-2		
Breaking capacity level	H	M	L	H	M	L
I <sub>cn</sub> (KA)	15	10	6	20	15	10
I <sub>cs</sub> (KA)	10	7.5	6	15	10	7.5

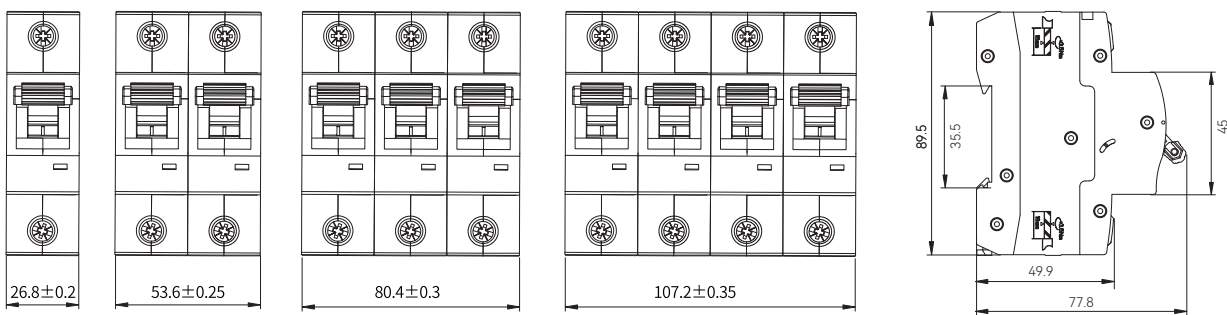
### Wiring (The suitable conductors should be used for connection, see table below for relative parameters)

Rated current I <sub>n</sub> (A)	Nominal cross section area s(mm <sup>2</sup> )	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.
- A wide range of RCD and RCBO.
- Full sets of additional components and full sets of accessories.

### Overall and mounting dimensions



SGB-125M