

Miniature Circuit Breakers

Series 3SB1-125



Functions

- Overload protection
- Short circuit protection
- Isolation
- Used in residential building, non-residential building, energy sources, industry and infrastructure.

Technical specifications

- Standard: IEC 60947-2
- Approval: CE
- Rated current I_n (A): 63, 80, 100, 125
- Rated voltage U_n (VAC): 230/400
- Operational voltage (VAC):
 - Min.: 24
 - Max.: 250/440
- Rated insulation voltage (VAC): 500
- Number of poles: 1, 2, 3, 4
- Tripping characteristics: B, C, D
- release B (I_n): 4
- release C (I_n): 8
- release D (I_n): 14
- Thermal operating limit (I_n): 1.05 - 1.30
- Electrical life (times): 4,000
- Mechanical life (times): 20,000
- Breaking Capacity:

Model	Rated voltage(V)	Icu (kA)	Standards
3SB1-125	1p: 230	6	IEC60947-2
	2-4P: 400		

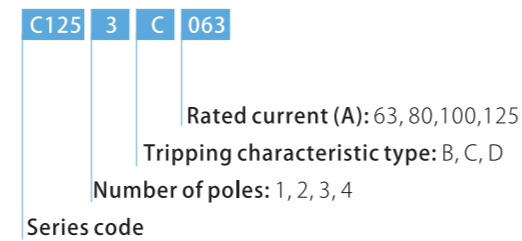
- Degree of protection: IP20, with connected conductors
- Mounting position: Any
- Conductor cross-sections
 - Solid and stranded (mm²): 0.75-35
 - Finely stranded with end sleeve (mm²): 0.75-25
 - Terminal tightening torque (N·m): 2.5-4
- Ambient temperature (°C): -25~+45, max. 95 % humidity
- Storage temperature (°C): -40~+75
- Altitude Max(meters): 2,000
- Connection Capacity (mm²): 1-35

References

- Additional components: page 52
- Accessories: page 82~83



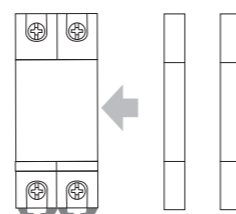
Instruction of type code



Features

- Rated current up to 125A
- The handle being sealable or equipped with padlock bracket avoids dangerous operation changes(ON/OFF)
- The handle provides a clear indication of the contact position
- Adequate printing of all data on the front provides long-term identification
- This MCB for industry in accordance with: IEC 60947-2 instantaneous tripping release ranges B: 4 I_n , release C: 8 I_n , release D: 12 I_n
- This MCB may be extended with:
 - A wide range of RCDs and RCBO
 - Full sets of additional components
 - Full sets of accessories

Add-on devices







Auxiliaries:

Miniature Circuit Breakers

Series 3SB1-125



Selection and ordering data

IEC60947-2 6kA	Number of poles	Rated current I_n (A)	Curve B		Curve C		Curve D		Pack.
			Type code	Order code	Type code	Order code	Type code	Order code	
	1	63	C125 1B063	21140	C125 1C063	21152	C125 1D063	21164	8
		80	C125 1B080	21141	C125 1C080	21153	C125 1D080	21165	8
		100	C125 1B100	21142	C125 1C100	21154	C125 1D100	21166	8
		125	C125 1B125	23577	C125 1C125	23581	C125 1D125	23585	8
	2	63	C125 2B063	21143	C125 2C063	21155	C125 2D063	21167	4
		80	C125 2B080	21144	C125 2C080	21156	C125 2D080	21168	4
		100	C125 2B100	21145	C125 2C100	21157	C125 2D100	21169	4
		125	C125 2B125	23578	C125 2C125	23582	C125 2D125	23586	4
	3	63	C125 3B063	21146	C125 3C063	21158	C125 3D063	21170	3
		80	C125 3B080	21147	C125 3C080	21159	C125 3D080	21171	3
		100	C125 3B100	21148	C125 3C100	21160	C125 3D100	21172	3
		125	C125 3B125	23579	C125 3C125	23583	C125 3D125	23587	3
	4	63	C125 4B063	21149	C125 4C063	21161	C125 4D063	21173	2
		80	C125 4B080	21150	C125 4C080	21162	C125 4D080	21174	2
		100	C125 4B100	21151	C125 4C100	21163	C125 4D100	21175	2
		125	C125 4B125	23580	C125 4C125	23584	C125 4D125	23588	2

Outline and installation dimensions

