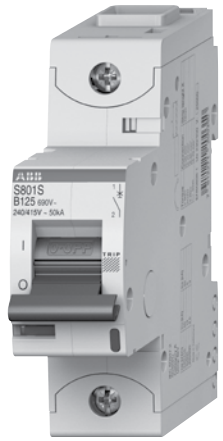
S800 Series
High Performance Circuit Breakers

S800
IEC Series



Description

The S800 high performance MCB offers a compact solution to circuit protection. The S800 devices are IEC tested current limiting and DIN rail mounted. The S800 is available with application-specific trip characteristics to provide maximum circuit protection.

The breakers offer thermal-magnetic trip protection according to B, C, D & K characteristics.

For the worldwide market, the breakers carry CSA, IEC, CE and many other agency approvals.

Features

- Current limiting
- Fast breaking time (2.3 – 2.5 ms)
- Wide range of accessories
- DIN rail mounting
- Finger safe terminals
- Multi-function terminals
- Ring tongue compatible

	S800S
Amperage	10 – 125 A
Voltage	690 VAC
Poles	1, 2, 3, 4
Trip characteristics	B, C, D, K
Interrupting ratings	50 kA: IEC
Auxiliary contacts	Yes
Bell alarm	Yes
Shunt trip	Yes
Undervoltage release	Yes
Ring tongue	Yes

S800S-B, 690 VAC
IEC

B

S801U-B

S802U-B

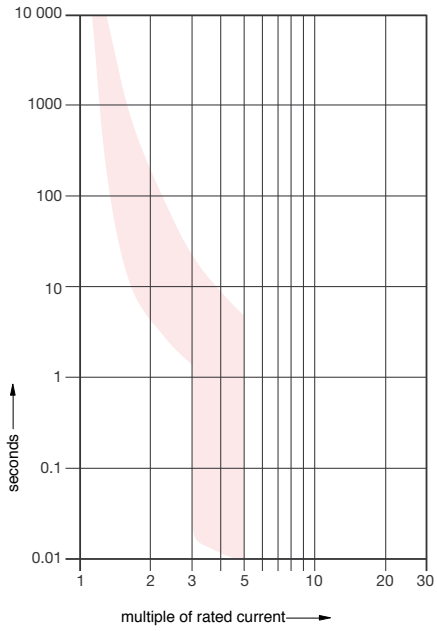
S803U-B

S804U-B

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	10	**S801S-B10**	3	10	**S803S-B10**
	13	**S801S-B13**		13	**S803S-B13**
	16	**S801S-B16**		16	**S803S-B16**
	20	**S801S-B20**		20	**S803S-B20**
	25	**S801S-B25**		25	**S803S-B25**
	32	**S801S-B32**		32	**S803S-B32**
	40	**S801S-B40**		40	**S803S-B40**
	50	**S801S-B50**		50	**S803S-B50**
	63	**S801S-B63**		63	**S803S-B63**
	80	**S801S-B80**		80	**S803S-B80**
	100	**S801S-B100**		100	**S803S-B100**
	125	**S801S-B125**		125	**S803S-B125**
2	10	**S802S-B10**	4	10	**S804S-B10**
	13	**S802S-B13**		13	**S804S-B13**
	16	**S802S-B16**		16	**S804S-B16**
	20	**S802S-B20**		20	**S804S-B20**
	25	**S802S-B25**		25	**S804S-B25**
	32	**S802S-B32**		32	**S804S-B32**
	40	**S802S-B40**		40	**S804S-B40**
	50	**S802S-B50**		50	**S804S-B50**
	63	**S802S-B63**		63	**S804S-B63**
	80	**S802S-B80**		80	**S804S-B80**
	100	**S802S-B100**		100	**S804S-B100**
	125	**S802S-B125**		125	**S804S-B125**

Tripping characteristic B
IEC
690 VAC
50 kA

Resistive loads
- B Curve
- Designed for use in cable protection applications
- Example: control circuits, lighting



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S800S-C, 690 VAC
IEC

C

S801S-C

S802S-C

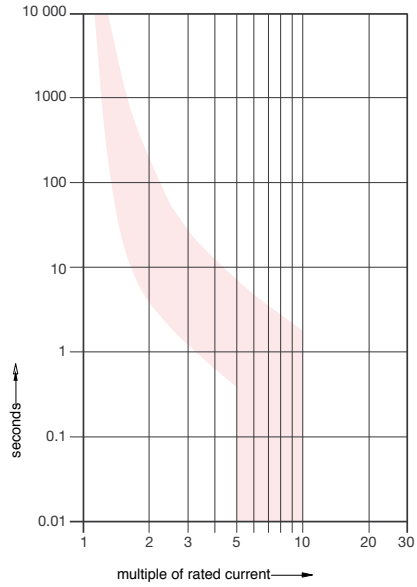
S803S-C

S804S-C

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	10	**S801S-C10**	3	10	**S803S-C10**
	13	**S801S-C13**		13	**S803S-C13**
	16	**S801S-C16**		16	**S803S-C16**
	20	**S801S-C20**		20	**S803S-C20**
	25	**S801S-C25**		25	**S803S-C25**
	32	**S801S-C32**		32	**S803S-C32**
	40	**S801S-C40**		40	**S803S-C40**
	50	**S801S-C50**		50	**S803S-C50**
	63	**S801S-C63**		63	**S803S-C63**
	80	**S801S-C80**		80	**S803S-C80**
	100	**S801S-C100**		100	**S803S-C100**
	125	**S801S-C125**		125	**S803S-C125**
2	10	**S802S-C10**	4	10	**S804S-C10**
	13	**S802S-C13**		13	**S804S-C13**
	16	**S802S-C16**		16	**S804S-C16**
	20	**S802S-C20**		20	**S804S-C20**
	25	**S802S-C25**		25	**S804S-C25**
	32	**S802S-C32**		32	**S804S-C32**
	40	**S802S-C40**		40	**S804S-C40**
	50	**S802S-C50**		50	**S804S-C50**
	63	**S802S-C63**		63	**S804S-C63**
	80	**S802S-C80**		80	**S804S-C80**
	100	**S802S-C100**		100	**S804S-C100**
	125	**S802S-C125**		125	**S804S-C125**

Tripping characteristic C
IEC
690 VAC
50 kA

Resistive loads
- C Curve
- Designed for use with medium magnetic start up currents
- Example: lighting, control panels



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S800S-D, 690 VAC
IEC

D

S801S-D

S802S-D

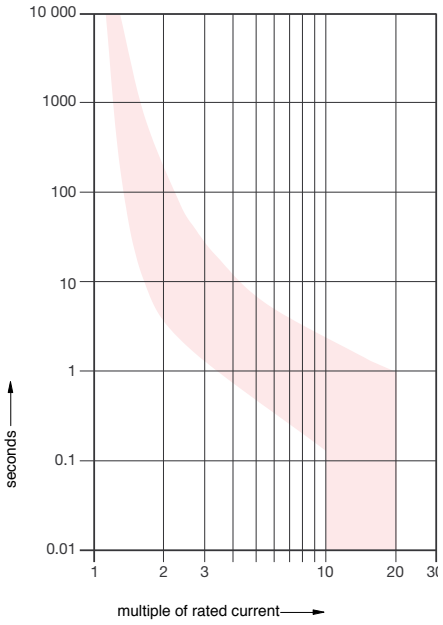
S803S-D

S804S-D

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	10	**S801S-D10**	3	10	**S803S-D10**
	13	**S801S-D13**		13	**S803S-D13**
	16	**S801S-D16**		16	**S803S-D16**
	20	**S801S-D20**		20	**S803S-D20**
	25	**S801S-D25**		25	**S803S-D25**
	32	**S801S-D32**		32	**S803S-D32**
	40	**S801S-D40**		40	**S803S-D40**
	50	**S801S-D50**		50	**S803S-D50**
	63	**S801S-D63**		63	**S803S-D63**
	80	**S801S-D80**		80	**S803S-D80**
	100	**S801S-D100**		100	**S803S-D100**
	125	**S801S-D125**		125	**S803S-D125**
2	10	**S802S-D10**	4	10	**S804S-D10**
	13	**S802S-D13**		13	**S804S-D13**
	16	**S802S-D16**		16	**S804S-D16**
	20	**S802S-D20**		20	**S804S-D20**
	25	**S802S-D25**		25	**S804S-D25**
	32	**S802S-D32**		32	**S804S-D32**
	40	**S802S-D40**		40	**S804S-D40**
	50	**S802S-D50**		50	**S804S-D50**
	63	**S802S-D63**		63	**S804S-D63**
	80	**S802S-D80**		80	**S804S-D80**
	100	**S802S-D100**		100	**S804S-D100**
	125	**S802S-D125**		125	**S804S-D125**

Tripping characteristic D
IEC
690 VAC
50 kA

Inductive loads
- D Curve
- Designed for allowing higher in-rush currents during system start up
- Example: motors, transformers



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S800S-K, 690 VAC
IEC

K

S801S-K

S802S-K

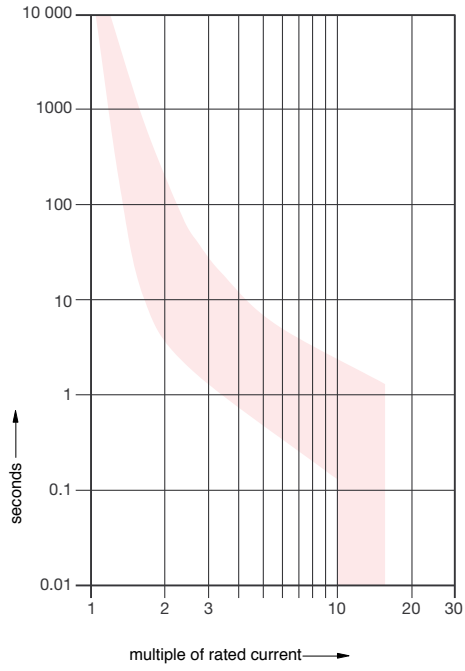
S803S-K

S804S-K

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	10	**S801S-K10**	3	10	**S803S-K10**
	13	**S801S-K13**		13	**S803S-K13**
	16	**S801S-K16**		16	**S803S-K16**
	20	**S801S-K20**		20	**S803S-K20**
	25	**S801S-K25**		25	**S803S-K25**
	32	**S801S-K32**		32	**S803S-K32**
	40	**S801S-K40**		40	**S803S-K40**
	50	**S801S-K50**		50	**S803S-K50**
	63	**S801S-K63**		63	**S803S-K63**
	80	**S801S-K80**		80	**S803S-K80**
	100	**S801S-K100**		100	**S803S-K100**
	125	**S801S-K125**		125	**S803S-K125**
2	10	**S802S-K10**	4	10	**S804S-K10**
	13	**S802S-K13**		13	**S804S-K13**
	16	**S802S-K16**		16	**S804S-K16**
	20	**S802S-K20**		20	**S804S-K20**
	25	**S802S-K25**		25	**S804S-K25**
	32	**S802S-K32**		32	**S804S-K32**
	40	**S802S-K40**		40	**S804S-K40**
	50	**S802S-K50**		50	**S804S-K50**
	63	**S802S-K63**		63	**S804S-K63**
	80	**S802S-K80**		80	**S804S-K80**
	100	**S802S-K100**		100	**S804S-K100**
	125	**S802S-K125**		125	**S804S-K125**

Tripping characteristic K
IEC
690 VAC
50 kA

Inductive loads
- K Curve
- Designed for allowing higher in-rush currents during system start up
- Example: motors, transformers



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