

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

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

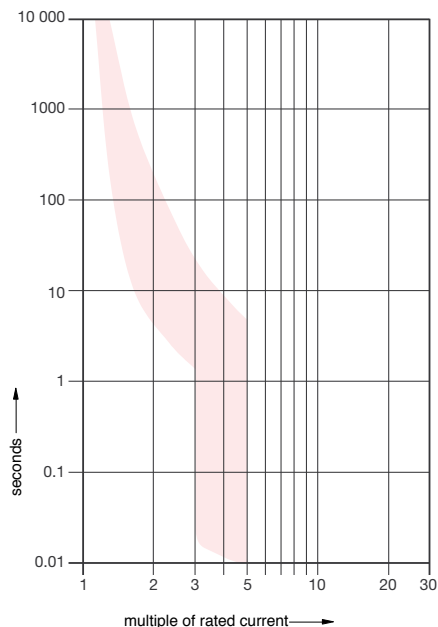
Resistive loads

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

Accessories & technical data

Accessories – See page 15.52

Technical data – See page 15.76 - 15.82



S800S-C, 690 VAC IEC

S800
Miniature
circuit breakers

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

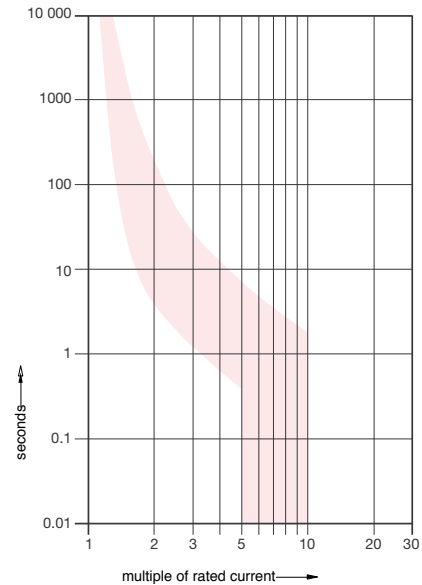
Resistive loads

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

Accessories & technical data

Accessories – See page 15.52

Technical data – See page 15.76 - 15.82



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
2	125	S801S-D125		125	S803S-D125
	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

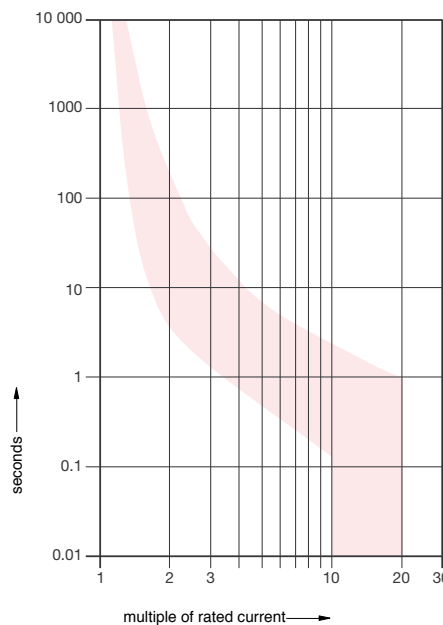
Inductive loads

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

Accessories & technical data

Accessories – See page 15.52

Technical data – See page 15.76 - 15.82



S800S-K, 690 VAC IEC

S800
Miniature
circuit breakers

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

Accessories & technical data

Accessories – See page 15.52

Technical data – See page 15.76 - 15.82

