



General information

Interruption ratings

Trip characteristics overview

Interruption ratings

Voltage	Rated interrupting capacity	Rated current	MCB type	Comment
120 VAC	10kA	0.5 - 63A 0.5 - 63A 0.2 - 40A	S260-B,C,D S270-K S280-K, Z	Single pole Single pole Single pole
	18kA	32 - 63A 26 - 45A	S500-B,C,D S500-K	
	30kA	6 - 25A 0.15 - 25A	S500-B,C,D S500-K	
240 VAC	6kA	0.5 - 63A 0.5 - 63A 50 - 63A	S260-B,C,D S270-K S280-K, Z	Single pole Single pole Single pole
	10kA	0.5 - 63A 0.5 - 63A 0.2 - 40A	S260-B,C,D S270-K S280-K,Z	Multi pole Multi pole Single pole
	18kA	32 - 63A 26 - 45A	S500-B,C,D S500-K	
	30kA	6 - 25A 0.15 - 25A	S500-B,C,D S500-K	
277 VAC	6kA	0.5 - 63A 0.5 - 63A 50 - 63A	S260-B,C,D S270-K S280-K,Z	Single pole Single pole Single pole
	10kA	0.2 - 40A	S280-K,Z	Single pole
277/480 VAC	6kA	0.5 - 63A 0.5 - 63A 40 - 63A	S260-B,C,D S270-K S280-K,Z	Multi pole Multi pole Multi pole
	10kA	0.2 - 32A	S280-K,Z	Multi pole
60 VDC	10kA	0.5 - 63A 0.5 - 63A	S260-B,C,D S270-K	Single pole Single pole
125 VDC	10kA	0.5 - 63A 0.5 - 63A 0.2 - 63A	S260-B,C,D S270-K S280UC-K,Z	Multi pole Multi pole Single pole
250 VDC	4.5kA	0.2 - 63A	S280UC-K,Z	Single pole
500 VDC	4.5kA	0.2 - 63A	S280UC-K,Z	Multi pole

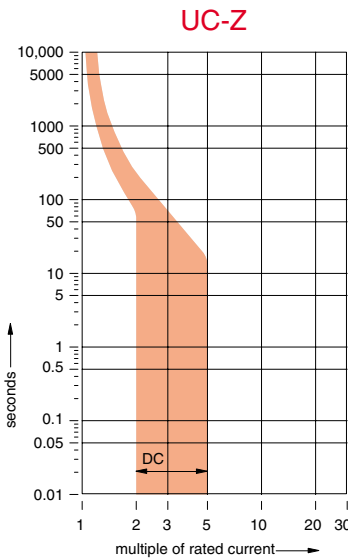
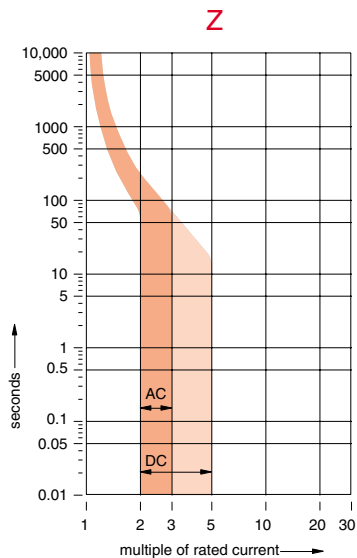
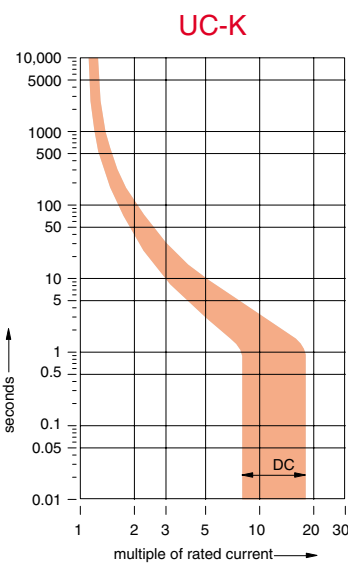
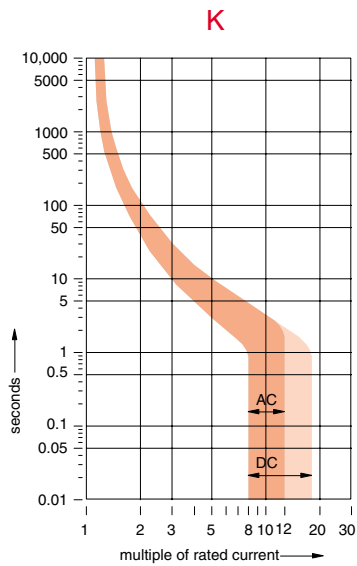
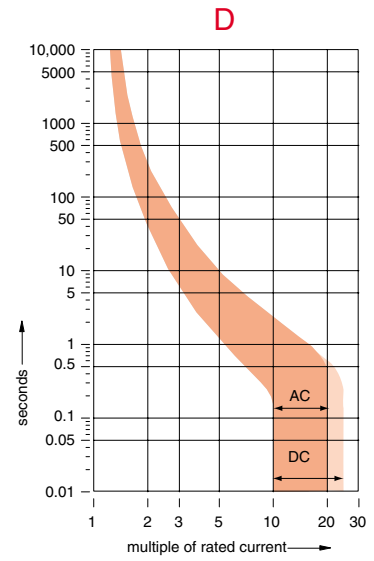
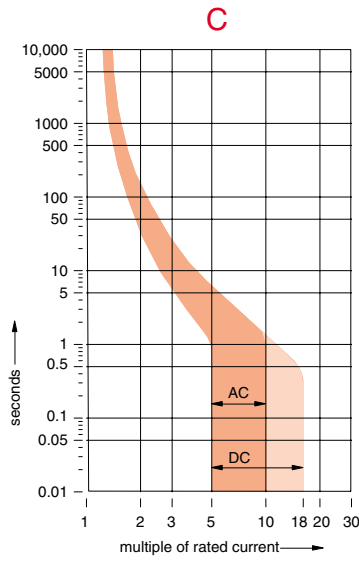
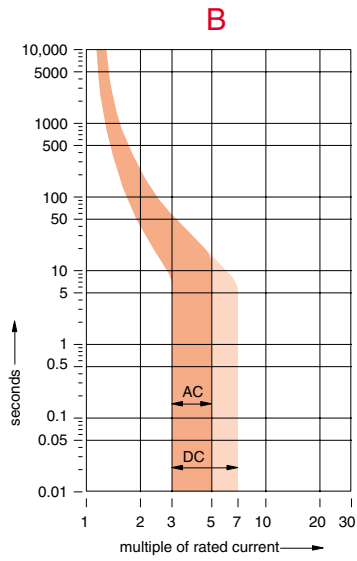
Trip characteristics overview

Curve	Magnetic characteristic ①	Thermal characteristic	Series
B	3 - 5X	1.25X	S260, S500
C	5 - 10X	1.25X	S260, S290, S500
D	10 - 20X	1.25X	S260, S500
K	8 - 12X	1.05X	S270, S280, S500
Z	2 - 3X	1.05X	S280

① All values are relative to MCB's ampere rating.

General information

Tripping curves

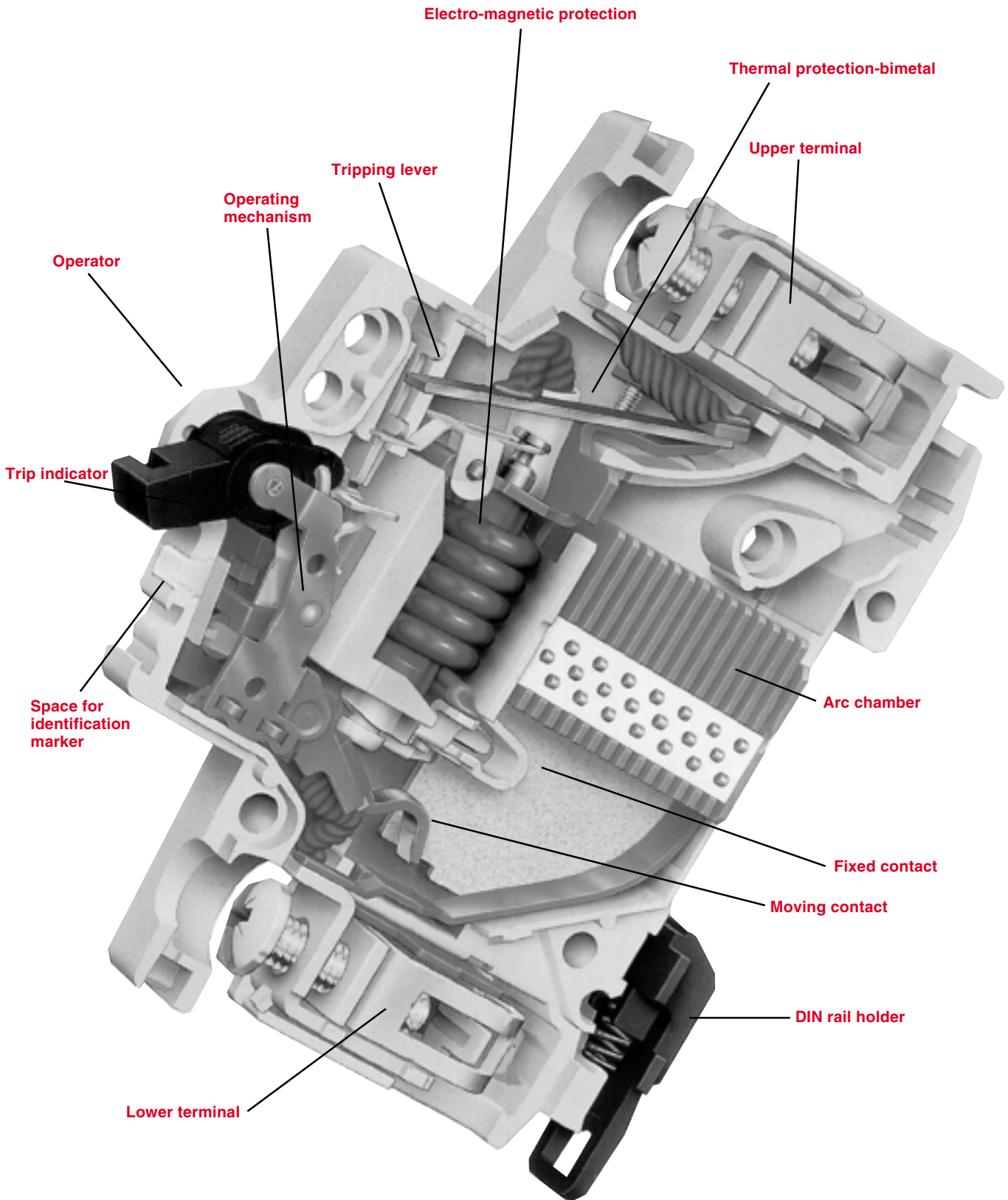


Pro M



General information

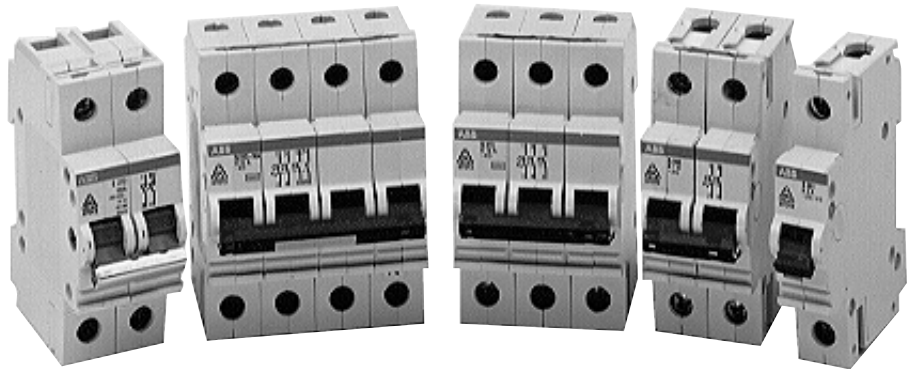
Construction details (S280 shown)



Pro M



Pro M Miniature Circuit Breakers S260, S270, S280, S290



Pro M

Description

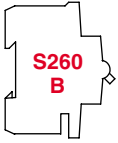
The S2 Series of miniature circuit breakers offer a compact solution to protection requirements. The breakers are recognized under standard UL 1077 as supplemental protective devices. The S2 devices are current limiting, DIN rail mounted and can offer a good equivalent to fused systems.

The S2 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 and Z characteristics.

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

Features

- Current limiting
- Fast breaking time (2.5 – 3.5 msec)
- Unique bus connection system
- Wide range of accessories
- Available with variable depth handle mechanism
- Optional Z curve for SCR protection
- CE certified and marked
- DIN rail or front plated mounting
- Finger safe terminals
- Multi-function terminals
- Suitable for reverse feed
- UL 1077 and CSA 22.2
- 277/480VAC and 500VDC versions



S260

277/480 VAC

B UL 1077 CSA C22.2 No. 235
 VDE 0641 IEC-898
 Cable protection

Pro M

S261-B6

S262-B6
S261-B6NA

S263-B6

S264-B6
S263-B6NA

B

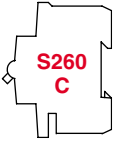
Rated current	Catalog number	Wgt. oz. (1 pc.)	Rated current	Catalog number	Wgt. oz. (1 pc.)
6	S261-B6	4.5	6	S263-B6	13.5
10	S261-B10		10	S263-B10	
13	S261-B13		13	S263-B13	
16	S261-B16		16	S263-B16	
20	S261-B20		20	S263-B20	
25	S261-B25		25	S263-B25	
32	S261-B32		32	S263-B32	
40	S261-B40		40	S263-B40	
50	S261-B50		50	S263-B50	
63	S261-B63		63	S263-B63	
6	S261-B6NA	9.0	6	S263-B6NA	18.0
10	S261-B10NA		10	S263-B10NA	
13	S261-B13NA		13	S263-B13NA	
16	S261-B16NA		16	S263-B16NA	
20	S261-B20NA		20	S263-B20NA	
25	S261-B25NA		25	S263-B25NA	
32	S261-B32NA		32	S263-B32NA	
40	S261-B40NA		40	S263-B40NA	
50	S261-B50NA		50	S263-B50NA	
63	S261-B63NA		63	S263-B63NA	
6	S262-B6	9.0	6	S264-B6	18.0
10	S262-B10		10	S264-B10	
13	S262-B13		13	S264-B13	
16	S262-B16		16	S264-B16	
20	S262-B20		20	S264-B20	
25	S262-B25		25	S264-B25	
32	S262-B32		32	S264-B32	
40	S262-B40		40	S264-B40	
50	S262-B50		50	S264-B50	
63	S262-B63		63	S264-B63	

Switched neutral

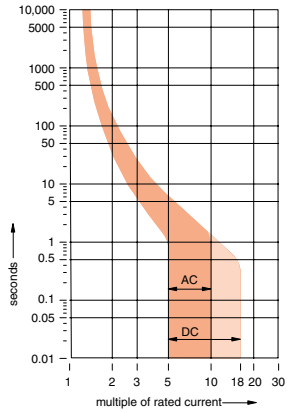
To create a miniature circuit breaker from stock items with a switched neutral, order standard MCB (usually a single or three pole version) and a neutral disconnect module, S2-NT, which can be field added to the MCB.

S260

277/480 VAC



C UL 1077 CSA C22.2 - NO. 235
 VDE 0641 IEC-898
 Cable & equipment protection



Rated current	Catalog number
0.5	S261-C0.5
1	S261-C1
1.6	S261-C1.6
2	S261-C2
3	S261-C3
4	S261-C4
6	S261-C6
8	S261-C8
10	S261-C10
13	S261-C13
16	S261-C16
20	S261-C20
25	S261-C25
32	S261-C32
40	S261-C40
50	S261-C50
63	S261-C63
0.5	S261-C0.5NA
1	S261-C1NA
1.6	S261-C1.6NA
2	S261-C2NA
3	S261-C3NA
4	S261-C4NA
6	S261-C6NA
8	S261-C8NA
10	S261-C10NA
13	S261-C13NA
16	S261-C16NA
20	S261-C20NA
25	S261-C25NA
32	S261-C32NA
40	S261-C40NA
50	S261-C50NA
63	S261-C63NA
0.5	S262-C0.5
1	S262-C1
1.6	S262-C1.6
2	S262-C2
3	S262-C3
4	S262-C4
6	S262-C6
8	S262-C8
10	S262-C10
13	S262-C13
16	S262-C16
20	S262-C20
25	S262-C25
32	S262-C32
40	S262-C40
50	S262-C50
63	S262-C63

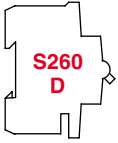
Wgt. oz. (1 pc.)	Rated current	Catalog number
4.5	0.5	S263-C0.5
	1	S263-C1
	1.6	S263-C1.6
	2	S263-C2
	3	S263-C3
	4	S263-C4
	6	S263-C6
	8	S263-C8
	10	S263-C10
	13	S263-C13
	16	S263-C16
	20	S263-C20
	25	S263-C25
	32	S263-C32
40	S263-C40	
50	S263-C50	
60	S263-CS60	
63	S263-C63	
9.0	0.5	S263-C0.5NA
	1	S263-C1NA
	1.6	S263-C1.6NA
	2	S263-C2NA
	3	S263-C3NA
	4	S263-C4NA
	6	S263-C6NA
	8	S263-C8NA
	10	S263-C10NA
	13	S263-C13NA
	16	S263-C16NA
	20	S263-C20NA
	25	S263-C25NA
	32	S263-C32NA
40	S263-C40NA	
50	S263-C50NA	
63	S263-C63NA	
9.0	0.5	S264-C0.5
	1	S264-C1
	1.6	S264-C1.6
	2	S264-C2
	3	S264-C3
	4	S264-C4
	6	S264-C6
	8	S264-C8
	10	S264-C10
	13	S264-C13
	16	S264-C16
	20	S264-C20
	25	S264-C25
	32	S264-C32
40	S264-C40	
50	S264-C50	
63	S264-C63	

Wgt. oz. (1 pc.)
13.5
18.0
18.0

Switched neutral

To create a miniature circuit breaker from stock items with a switched neutral, order standard MCB (usually a single or three pole version) and a neutral disconnect module, S2-NT, which can be field added to the MCB.

Pro M



S260

277/480 VAC

D UL 1077 CSA C22.2
 VDE 0641 IEC-898
 Cable & equipment protection



Rated current	Catalog number
0.5	S261-D0.5
1	S261-D1
1.6	S261-D1.6
2	S261-D2
3	S261-D3
4	S261-D4
6	S261-D6
8	S261-D8
10	S261-D10
13	S261-D13
16	S261-D16
20	S261-D20
25	S261-D25
32	S261-D32
40	S261-D40
50	S261-D50
63	S261-D63
0.5	S262-D0.5
1	S262-D1
1.6	S262-D1.6
2	S262-D2
3	S262-D3
4	S262-D4
6	S262-D6
8	S262-D8
10	S262-D10
13	S262-D13
16	S262-D16
20	S262-D20
25	S262-D25
32	S262-D32
40	S262-D40
50	S262-D50
63	S262-D63

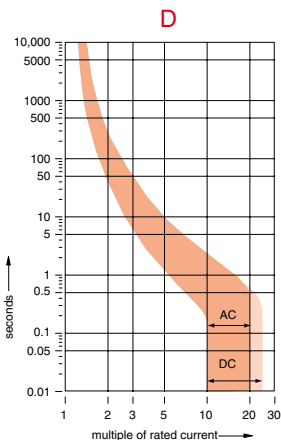
Wgt. oz. (1 pc.)	Rated current	Catalog number
4.5	0.5	S263-D0.5
	1	S263-D1
	1.6	S263-D1.6
	2	S263-D2
	3	S263-D3
	4	S263-D4
	6	S263-D6
	8	S263-D8
	10	S263-D10
	13	S263-D13
	16	S263-D16
	20	S263-D20
	25	S263-D25
	32	S263-D32
40	S263-D40	
50	S263-D50	
63	S263-D63	

Wgt. oz. (1 pc.)
13.5

Wgt. oz. (1 pc.)	Rated current	Catalog number
9.0	0.5	S262-D0.5
	1	S262-D1
	1.6	S262-D1.6
	2	S262-D2
	3	S262-D3
	4	S262-D4
	6	S262-D6
	8	S262-D8
	10	S262-D10
	13	S262-D13
	16	S262-D16
	20	S262-D20
	25	S262-D25
	32	S262-D32
40	S262-D40	
50	S262-D50	
63	S262-D63	

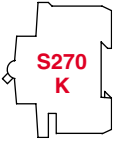
Switched neutral

To create a miniature circuit breaker from stock items with a switched neutral, order standard MCB (usually a single or three pole version) and a neutral disconnect module, S2-NT, which can be field added to the MCB.



S270

277/480 VAC



K UL 1077 CSA C22.2 - NO. 235
 VDE 0641 IEC-898
 Cable & equipment protection

Rated current	Catalog number	Wgt. oz. (1 pc.)	Rated current	Catalog number	Wgt. oz. (1 pc.)
0.5	S271-K0.5	4.5	0.5	S273-K0.5	13.5
1	S271-K1		1	S273-K1	
1.6	S271-K1.6		1.6	S273-K1.6	
2	S271-K2		2	S273-K2	
3	S271-K3		3	S273-K3	
4	S271-K4		4	S273-K4	
5	S271-KS5		5	S273-KS5	
6	S271-K6		6	S273-K6	
8	S271-K8		8	S273-K8	
10	S271-K10		10	S273-K10	
13	S271-K13		13	S273-K13	
15	S271-KS15		15	S273-KS15	
16	S271-K16		16	S273-K16	
20	S271-K20		20	S273-K20	
25	S271-K25		25	S273-K25	
30	S271-KS30	30	S273-KS30		
32	S271-K32	32	S273-K32		
40	S271-K40	40	S273-K40		
50	S271-K50	50	S273-K50		
60	S271-KS60	60	S273-KS60		
63	S271-K63	63	S273-K63		
0.5	S271-K0.5NA	9.0	0.5	S273-K0.5NA	18.0
1	S271-K1NA		1	S273-K1NA	
1.6	S271-K1.6NA		1.6	S273-K1.6NA	
2	S271-K2NA		2	S273-K2NA	
3	S271-K3NA		3	S273-K3NA	
4	S271-K4NA		4	S273-K4NA	
6	S271-K6NA		6	S273-K6NA	
8	S271-K8NA		8	S273-K8NA	
10	S271-K10NA		10	S273-K10NA	
13	S271-K13NA		13	S273-K13NA	
16	S271-K16NA		16	S273-K16NA	
20	S271-K20NA		20	S273-K20NA	
25	S271-K25NA		25	S273-K25NA	
32	S271-K32NA		32	S273-K32NA	
40	S271-K40NA		40	S273-K40NA	
50	S271-K50NA	50	S273-K50NA		
63	S271-K63NA	63	S273-K63NA		
0.5	S272-K0.5	9.0	0.5	S274-K0.5	18.0
1	S272-K1		1	S274-K1	
1.6	S272-K1.6		1.6	S274-K1.6	
2	S272-K2		2	S274-K2	
3	S272-K3		3	S274-K3	
4	S272-K4		4	S274-K4	
5	S272-KS5		5	S274-K5	
6	S272-K6		6	S274-K6	
8	S272-K8		8	S274-K8	
10	S272-K10		10	S274-K10	
13	S272-K13		13	S274-K13	
15	S272-KS15		15	S274-K15	
16	S272-K16		16	S274-K16	
20	S272-K20		20	S274-K20	
25	S272-K25		25	S274-K25	
30	S272-KS30	30	S274-K30		
32	S272-K32	32	S274-K32		
40	S272-K40	40	S274-K40		
50	S272-K50	50	S274-K50		
60	S272-KS60	60	S274-K60		
63	S272-K63	63	S274-K63		

Switched neutral

To create a miniature circuit breaker from stock items with a switched neutral, order standard MCB (usually a single or three pole version) and a neutral disconnect module, S2-NT, which can be field added to the MCB.

Pro M