



Knife Switches

February 1942

GENERAL RAILWAY SIGNAL COMPANY

Knife Switches

Note: When ordering switches specify thickness of slate.

All switches shown below are for 250 volts d-c. or 500 volts a-c.

Drawing references are shown for convenience in checking shipping lists and invoices.

Order by plate, figure number and name

SINGLE POLE—SINGLE THROW

Fig. No.	Amps.	DIMENSIONS								Drawing Reference
		A	B	C	D	E	F	G		
1	30	2 ²¹ / ₃₂ "	1 ³ / ₁₆ "	2 ²⁹ / ₃₂ "	3 ³ / ₈ "	1 ¹ / ₄ "	5 ¹⁵ / ₁₆ "	2 ⁷ / ₈ "		52480
1a	60	2 ²¹ / ₃₂ "	1 ³ / ₁₆ "	2 ²⁹ / ₃₂ "	3 ³ / ₈ "	1 ¹ / ₄ "	5 ¹⁵ / ₁₆ "	2 ⁷ / ₈ "		52480-1
1b	100	3 ³ / ₁₆ "	1 ³ / ₁₆ "	3 ⁹ / ₃₂ "	7 ⁷ / ₁₆ "	3 ⁹ / ₃₂ "	6 ¹³ / ₁₆ "	3 ⁵ / ₁₆ "		52480-2
1c	200	3 ⁵ / ₁₆ "	1 ¹ / ₂ "	3 ¹¹ / ₁₆ "	9 ⁹ / ₁₆ "	3 ⁹ / ₁₆ "	7 ¹ / ₁₆ "	3 ³ / ₄ "		52480-3

TWO POLE—SINGLE THROW

Fig. No.	Amps.	DIMENSIONS								Drawing Reference
		A	B	C	D	E	F	G	H2	
2	30	2 ²¹ / ₃₂ "	1 ³ / ₁₆ "	2 ²⁹ / ₃₂ "	3 ³ / ₈ "	1 ¹ / ₄ "	6 ¹ / ₄ "	2 ⁷ / ₈ "	3 ¹⁵ / ₃₂ "	52482
2a	60	2 ²¹ / ₃₂ "	1 ³ / ₁₆ "	2 ²⁹ / ₃₂ "	3 ³ / ₈ "	1 ¹ / ₄ "	6 ¹ / ₄ "	2 ⁷ / ₈ "	3 ¹⁵ / ₃₂ "	52482-1
2b	100	3 ³ / ₁₆ "	1 ³ / ₁₆ "	3 ⁹ / ₃₂ "	7 ⁷ / ₁₆ "	3 ⁹ / ₃₂ "	7 ¹ / ₄ "	3 ⁵ / ₁₆ "	4 ³ / ₃₂ "	52482-2
2c	200	3 ⁵ / ₁₆ "	1 ¹ / ₂ "	3 ¹¹ / ₁₆ "	9 ⁹ / ₁₆ "	3 ⁹ / ₁₆ "	8 ¹ / ₁₆ "	3 ³ / ₄ "	4 ¹ / ₁₆ "	52482-3
2d	400	4 ¹ / ₂ "	1 ⁷ / ₈ "	4 ¹ / ₄ "	1 ¹³ / ₁₆ "	7 ⁷ / ₁₆ "	10 ³ / ₄ "	4 ¹ / ₄ "	5 ¹ / ₂ "	52482-4

THREE POLE—SINGLE THROW

Fig. No.	Amps.	DIMENSIONS								Drawing Reference
		A	B	C	D	E	F	G	H3	
3	30	2 ²¹ / ₃₂ "	1 ³ / ₁₆ "	2 ²⁹ / ₃₂ "	3 ³ / ₈ "	1 ¹ / ₄ "	6 ¹ / ₄ "	2 ⁷ / ₈ "	6 ³ / ₈ "	52484
3a	60	2 ²¹ / ₃₂ "	1 ³ / ₁₆ "	2 ²⁹ / ₃₂ "	3 ³ / ₈ "	1 ¹ / ₄ "	6 ¹ / ₄ "	2 ⁷ / ₈ "	6 ³ / ₈ "	52484-1
3b	100	3 ³ / ₁₆ "	1 ³ / ₁₆ "	3 ⁹ / ₃₂ "	7 ⁷ / ₁₆ "	3 ⁹ / ₃₂ "	7 ¹ / ₄ "	3 ⁵ / ₁₆ "	7 ⁵ / ₁₆ "	52484-2
3c	200	3 ⁵ / ₁₆ "	1 ¹ / ₂ "	3 ¹¹ / ₁₆ "	9 ⁹ / ₁₆ "	3 ⁹ / ₁₆ "	8 ¹ / ₁₆ "	3 ³ / ₄ "	8 ³ / ₈ "	52484-3

FOUR POLE—SINGLE THROW

Fig. No.	Amps.	DIMENSIONS								Drawing Reference
		A	B	C	D	E	F	G	H4	
4	30	2 ²¹ / ₃₂ "	1 ³ / ₁₆ "	2 ²⁹ / ₃₂ "	3 ³ / ₈ "	1 ¹ / ₄ "	6 ¹ / ₄ "	2 ⁷ / ₈ "	9 ³ / ₃₂ "	52486
4a	60	2 ²¹ / ₃₂ "	1 ³ / ₁₆ "	2 ²⁹ / ₃₂ "	3 ³ / ₈ "	1 ¹ / ₄ "	6 ¹ / ₄ "	2 ⁷ / ₈ "	9 ³ / ₃₂ "	52486-1
4b	100	3 ³ / ₁₆ "	1 ³ / ₁₆ "	3 ⁹ / ₃₂ "	7 ⁷ / ₁₆ "	3 ⁹ / ₃₂ "	7 ³ / ₃₂ "	3 ⁵ / ₁₆ "	10 ¹³ / ₃₂ "	52486-2
4c	200	3 ⁵ / ₁₆ "	1 ¹ / ₂ "	3 ¹¹ / ₁₆ "	9 ⁹ / ₁₆ "	3 ⁹ / ₁₆ "	8 ¹ / ₁₆ "	3 ³ / ₄ "	12 ¹ / ₁₆ "	52486-3

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Drawing references are shown for convenience in checking shipping lists and invoices.

Order by plate, figure number and name

SINGLE POLE—DOUBLE THROW

Fig. No.	Amps.	DIMENSIONS								Drawing Reference
		A	B	C	D	E	F	G		
5	30	$2\frac{21}{32}$ "	$1\frac{13}{16}$ "	$2\frac{29}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$5\frac{15}{16}$ "	$2\frac{7}{8}$ "		52481
5a	60	$2\frac{31}{32}$ "	$1\frac{13}{16}$ "	$2\frac{39}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$5\frac{15}{16}$ "	$2\frac{7}{8}$ "		52481-1
5b	100	$3\frac{1}{8}$ "	$1\frac{3}{16}$ "	$3\frac{9}{32}$ "	$\frac{7}{16}$ "	$\frac{3}{32}$ "	$6\frac{13}{16}$ "	$3\frac{5}{16}$ "		52481-2
5c	200	$3\frac{7}{16}$ "	$1\frac{1}{2}$ "	$3\frac{11}{16}$ "	$\frac{9}{16}$ "	$\frac{5}{16}$ "	$7\frac{15}{16}$ "	$3\frac{3}{4}$ "		52481-3

TWO POLE—DOUBLE THROW

Fig. No.	Amps.	DIMENSIONS								Drawing Reference
		A	B	C	D	E	F	G	H2	
6	30	$2\frac{21}{32}$ "	$1\frac{13}{16}$ "	$2\frac{29}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$6\frac{1}{4}$ "	$2\frac{7}{8}$ "	$3\frac{15}{32}$ "	52483
6a	60	$2\frac{31}{32}$ "	$1\frac{13}{16}$ "	$2\frac{39}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$6\frac{1}{4}$ "	$2\frac{7}{8}$ "	$3\frac{15}{32}$ "	52483-1
6b	100	$3\frac{1}{8}$ "	$1\frac{3}{16}$ "	$3\frac{9}{32}$ "	$\frac{7}{16}$ "	$\frac{3}{32}$ "	$7\frac{1}{4}$ "	$3\frac{5}{16}$ "	$4\frac{3}{32}$ "	52483-2
6c	200	$3\frac{7}{16}$ "	$1\frac{1}{2}$ "	$3\frac{11}{16}$ "	$\frac{9}{16}$ "	$\frac{5}{16}$ "	$8\frac{7}{16}$ "	$3\frac{3}{4}$ "	$4\frac{11}{16}$ "	52483-3

THREE POLE—DOUBLE THROW

Fig. No.	Amps.	DIMENSIONS								Drawing Reference
		A	B	C	D	E	F	G	H3	
7	30	$2\frac{21}{32}$ "	$1\frac{13}{16}$ "	$2\frac{29}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$6\frac{1}{4}$ "	$2\frac{7}{8}$ "	$6\frac{3}{8}$ "	52485
7a	60	$2\frac{31}{32}$ "	$1\frac{13}{16}$ "	$2\frac{39}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$6\frac{1}{4}$ "	$2\frac{7}{8}$ "	$6\frac{3}{8}$ "	52485-1
7b	100	$3\frac{1}{8}$ "	$1\frac{3}{16}$ "	$3\frac{9}{32}$ "	$\frac{7}{16}$ "	$\frac{3}{32}$ "	$7\frac{1}{4}$ "	$3\frac{5}{16}$ "	$7\frac{5}{16}$ "	52485-2
7c	200	$3\frac{7}{16}$ "	$1\frac{1}{2}$ "	$3\frac{11}{16}$ "	$\frac{9}{16}$ "	$\frac{5}{16}$ "	$8\frac{7}{16}$ "	$3\frac{3}{4}$ "	$8\frac{3}{8}$ "	52485-3

FOUR POLE—DOUBLE THROW

Fig. No.	Amps.	DIMENSIONS								Drawing Reference
		A	B	C	D	E	F	G	H4	
8	30	$2\frac{21}{32}$ "	$1\frac{13}{16}$ "	$2\frac{29}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$6\frac{17}{32}$ "	$2\frac{7}{8}$ "	$9\frac{3}{32}$ "	52487
8a	60	$2\frac{31}{32}$ "	$1\frac{13}{16}$ "	$2\frac{39}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$6\frac{17}{32}$ "	$2\frac{7}{8}$ "	$9\frac{3}{32}$ "	52487-1
8b	100	$3\frac{1}{8}$ "	$1\frac{3}{16}$ "	$3\frac{9}{32}$ "	$\frac{7}{16}$ "	$\frac{3}{32}$ "	$7\frac{37}{32}$ "	$3\frac{5}{16}$ "	$10\frac{19}{32}$ "	52487-2
8c	200	$3\frac{7}{16}$ "	$1\frac{1}{2}$ "	$3\frac{11}{16}$ "	$\frac{9}{16}$ "	$\frac{5}{16}$ "	$8\frac{17}{32}$ "	$3\frac{3}{4}$ "	$12\frac{1}{16}$ "	52487-3