Short-circuit protection MS450 / MS451 — Setting ranges, short-circuit strength and max. back-up fuses

Setting ranges in A	Maximum rated current of the short-circuit fuses if $I_{cu} > I_{cu}$ □															
	230 V AC			400 V AC			440 V AC			500 V AC			690 V AC			
	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	
11 ... 16	Short-circuit-proof No back-up fuse required up to I_{cc} = 100kA			25	50	100	25	50	100	6	12	63	3	5	63	
14 ... 20				25	50	125	25	50	100	6	12	80	3	5	63	
18 ... 25				25	50	125	15	30	100	6	12	80	3	5	63	
22 ... 32				25	50	125	15	30	125	5	10	100	2	4	63	
28 ... 40				25	50	160	15	30	125	5	10	100	2	4	63	
36 ... 45				25	50	160	15	30	125	5	10	100	2	4	63	
36 ... 50				25	50	160	15	30	125	5	10	100	2	4	80	

Short-circuit protection MS495 — Setting ranges, short-circuit strength and max. back-up fuses

Setting ranges in A	Maximum rated current of the short-circuit fuses if $I_{cu} > I_{cu}$ □															
	230 V AC			400 V AC			440 V AC			500 V AC			690 V AC			
	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	
28 ... 40	Short-circuit-proof No back-up fuse required up to I_{cc} = 100kA			25	50	125	20	40	125	6	12	100	6	3	63	
36 ... 50				25	50	125	20	40	125	6	12	100	6	3	80	
45 ... 63				25	50	160	20	40	160	6	12	100	6	3	80	
57 ... 75				25	50	160	20	40	160	4	8	125	5	3	100	
70 ... 90				25	50	160	20	40	160	4	8	125	5	3	125	
80 ... 100				25	50	160	20	40	160	4	8	125	5	3	125	

Short-circuit protection MS496 — Setting ranges, short-circuit strength and max. back-up fuses

Setting ranges in A	Maximum rated current of the short-circuit fuses if $I_{cu} > I_{cu}$ □															
	230 V AC			400 V AC			440 V AC			500 V AC			690 V AC			
	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	
28 ... 40	Short-circuit-proof No back-up fuse required up to I_{cc} = 100kA						25	50	160	9	18	160	6	12	80	
36 ... 50							25	50	160	7.5	15	160	5	10	100	
45 ... 63							25	50	200	7.5	15	160	4	7.5	100	
57 ... 75							25	50	200	5	10	160	3	6	125	
70 ... 90							25	50	200	5	10	160	3	6	160	
80 ... 100							25	50	200	5	10	160	3	6	160	

Short-circuit protection MS497 — Setting ranges, short-circuit strength and max. back-up fuses

Setting ranges in A	Maximum rated current of the short-circuit fuses if $I_{cu} > I_{cu}$ □															
	230 V AC			400 V AC			440 V AC			500 V AC			690 V AC			
	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	I_{cs} in kA	I_{cu} in kA	gL,gG in A	
11 .. 16	Short-circuit-proof No back-up fuse required up to I_{cc} = 100kA						25	50	100	15	30	80	7	15	63	
14 ... 20							25	50	100	15	30	80	7	15	63	
18 ... 25							25	50	100	15	30	80	7	15	63	
22 ... 32							25	50	125	11	22	100	7	15	63	
28 ... 40							25	50	160	9	18	160	6	12	80	
36 ... 50							25	50	160	7.5	15	160	5	10	100	
45 ... 63							25	50	200	7.5	15	160	4	7.5	100	
57 ... 75							25	50	200	5	10	160	3	6	125	
70 ... 90							25	50	200	5	10	160	3	6	160	
80 .. 100							25	50	200	5	10	160	3	6	160	

□ I_{cs} = Rated service short-circuit breaking capacity, I_{cu} = Rated ultimate short-circuit breaking capacity I_{cc} = pProspective short-circuit current at installation location.