Technical Catalogue, Version June 2014

Back-up and Selectivity tables
S800, SMISSLINE with ABB Products

Power and productivity
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Back-up and selectivity dates
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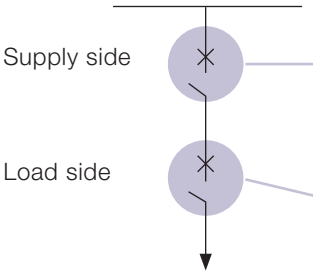

S800N – S400E @ 230/400 V

Down-stream	Char.	Upstream		S800N B, C, D							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400E	B	6	6	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			13	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			36						36	36	36
			63							36	36

Example 1: With a S800Nominal current 50 A is a Back-up protection till a nominal current of 25 A to a S400 given. The Back-up protection ist till 36 kA.

Example 2: There is no Back-up protection between supply side and the load side given.

Back-up protection
The tables given provide the value (in kA, referring to the breaking capacity) for which the back-up protection among the combination of selected circuit breakers is verified. The tables cover the possible combinations between S800 and those between the above mentioned circuit breakers and the ABB series of modular circuit breakers S400.
The values indicated in the tables refer to the voltage:
– Vn of 230/400 VAC

Down-stream	Char.	Upstream		S800S D							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	C	50	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
		25	3	0.7	2	4	T	T	T	T	T
			4	0.6	1.2	2	4	7	T	T	T
			6	0.5	0.9	1.1	1.8	2.5	9	T	T
			8	0.4	0.5	0.8	1	1.3	2.5	3.5	6.7
			10	0.4	0.5	0.8	1	1.3	2.5	3.5	6.7
			13	0.4	0.5	0.8	1	1.3	2.3	3	5.1
			16		0.5	0.8	1	1.3	2.3	3	5.1
			20			0.7	1	1.2	2.1	2.7	4.3
		15	25			0.7	1	1.2	2.1	2.7	4.3
			32				0.9	1	1.7	2.2	3.4
			40					1	1.7	2.2	3.4
			50						1.4	1.7	2.1
			63							1.6	2.1

Example 1: In this combination is a selectivity switch off till 5.1 kA given.

Example 2: There is no selectivity.

Selective protection
The tables given provide the value (in kA, referring to the breaking capacity) for which the selective protection is verified among the combination of selected circuit breakers. The tables cover the possible combinations between S800 and the ABB series of modular circuit breakers.
The values in the table represent the maximum value obtainable of discrimination between supply side circuit breaker and load side circuit breaker referring to the voltage:
– Vn of 230/400 VAC

Consulting the back-up table

This table provides the value (in kA) for which the back-up protection is ensured between a given combination of circuit breakers. The table covers possible combinations between the S800, Tmax, SMISSLINE MCBs, S60 and S200. Tmax and between SMISSLINE miniature circuit breakers S400/S450.

a) If the short-circuit current at the point of installation of the circuit breaker is not greater than the nominal breaking capacity of the MCB, an upstream fuse is not needed. If a fuse is fitted upstream for installation reasons, any nominal current may be selected for the fuse.

b) If the short-circuit current at the point of installation of the circuit breaker is greater than its nominal breaking capacity, the nominal currents of the upstream fuses must not exceed the values specified in the table (back-up protection of the circuit breaker).

Back-up protection
Fuses NH/Tmax – S400/S450, S800

Upstream: Fuse NH..gL/gG

Downstream		Upstream		NH gL/gG							
		I_{cu} [kA]									
			I_n [A]	25	40	63	80	100	125	160	200
S400M/S450M FS401M/FS451M FS403M/FS453M		I_{cn} [kA] 10	all types	100	100	100	100	80	50	30	20
S400E/S450E FS401E/FS451E FS403E/FS453E		I_{cn} [kA] 6	all types	100	100	70	40	25	15	10	–

Tmax – S800B @ 230/400 V

			Upstream	T1	T1	T1	T2	T3	T4	T2	T3	T4	T2	T4	T2	T4	T4
			Version	B	C	N				S			H		L	L	V
Downstream	Char.	I_n [A]	I_{cu} [kA]	16	25	36				50			70		85	120	200
S800B	B, C	32...100	16		25	36	36	36	36	50	50	50	70	70	85	120	200
	D, K	125*			25	36	36	36	36	50	50	50	70	70	85	120	200

Sace Tmax – S400 @ 230/400 V

		Upstream		T1	T1	T1	T2	T3	T4	T2	T3	T4	T2	T4	T2	T4	T4
	Version		Version	B	C	N	N	N	N	S	S	S	H	H	L		V
Downstream		I_n [A]	I_{cu} [kA]	16	25	36	36	36	36	50	50	50	70	70	85	120	200
S400E/S450E FS401E/FS451E FS403E/FS453E	B, C	6...10	6	16	25	30	36	36	36	36	40	40	40	30	40	40	40
		13...63						16	16		16	16	16	16	16	16	16
S400M/S450M FS401M/FS451M FS403M/FS453M	C, K	0.5...10	10	16	25	30	36	36	36	40	40	40	50	40	50	40	40
		13...63						25	36		25	40	50	40	50	40	40
S400M/S450M FS401M/FS451M FS403M/FS453M	B, D	6...10	10	16	25	30	36	36	36	40	40	40	50	40	50	40	40
		13...63						25	36		25	40	50	40	50	40	40

Sace XT - DS400 @230/400V

		Supply side 415 V AC	XT2	XT2	XT2	XT2	
		Version	N	S	H	V	
Load side 240 V AC	I_n [A]	I_{cu} [kA]	36	50	70	150	
DS401M DS402M	≤ 40	10	36	40	40	40	

		Supply side 415 V AC	XT1	XT1	XT1/XT3/XT4	XT1/XT3/XT4	XT1/XT4	XT4	XT4
		Version	B	C	N	S	H	L	V
Load side 240 V AC	I_n [A]	I_{cu} [kA]	18	25	36	50	70	120	150
DS401M	≤ 20	10	18	20	20	20	20	20	20
DS402M	25 to 40	10	10	10	10	10	10	10	10

XT – S800B @ 230/400 V

			Upstream	XT1	XT1	XT1	XT2	XT3	XT4	XT1	XT2	XT3	XT4	XT1	XT2	XT4	XT2	XT4	XT2	XT4
			Version	B	C	N				S				H			L		V	
Downstream	Char.	I_n [A]	I_{cu} [kA]	18	25	36				50				70			120	120	150	
S800B	B, C	32...100	16	18	25	36	36	36	36	50	50	50	50	70	70	70	120	120	150	150
	D, K	125*		18	25	36	36	36	36	50	50	50	50	70	70	70	120	120	150	150

Sace XT – S400 @ 230/400 V

			Upstream	XT1			XT2	XT3	XT4	XT1	XT2	XT3	XT4	XT1	XT2	XT4	XT2	XT4	XT2	XT4
	Version		Version	B	C	N				S				H			L		V	
Downstream		I_n [A]	I_{cu} [kA]	18	25	36				50				70			120		150	
FS400E S400E S450E	B, C	6...10	6	18	25	30	36	36	36	30	36	40	40	30	40	40	40	40	40	40
		13...63						16				16								
FS400M S400M S450M	C, K	0.5...10	10	18	25	30	36	36	36	30	50	40	40	30	70	40	85	40	85	40
		13...63						25				25			60		60		60	
FS400M S400M S450M	B, D	6...10	10	18	25	30	36	36	36	30	50	40	40	30	70	40	85	40	85	40
		13...63						25				25			60		60		60	

Selectivity limits are specified in kA

Back-up protection
Fuses – MCB – DS401, DS451

MCB -MCB @ 240 V

Load side	Char.	Supply side		25gG	40gG	50gG	63gG	80gG	100gG
		I_{cu} [kA]							
			I_n [A]						
DS401 DS451	B, C	10	2…40	35	25	20	15	10	10
DS401M/ DS402M DS451M	B, C	10	2…40	35	25	20	15	10	10

MCCB @ 415 V – MCB/RCBO @ 240 V

Load side	Char.	Supply side [1]		T1	T1	T1	T2	T3	T2	T3	T2	T2
		Version		B	C	N			S		H	L
		I_{cu} [kA]		16	25	36			50		70	85
			I_n [A]									
DS401 DS451	B, C, D, K	10	2…25	16	16	16	25	16	25	16	25	25
			32, 40				16		16		16	16
DS401M/ DS402M DS451M	B, C	10	2…25	16	16	16	25	16	25	16	25	25
			32, 40				16		16		16	16

[1] Supply side circuit-breaker 4P (load side circuit branched between one phase and the neutral

Back-up protection
S800S – S60, -S200, -S200M, -S200P

S800S – S60 @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S60	C	6	2	50	50	50	25	18	15	15	15
			4	50	50	50	25	18	15	15	15
			6	50	50	50	25	18	15	15	15
			8	50	50	50	25	18	15	15	15
			10	50	50	50	25	18	15	15	15
			13	50	50	50	25	18	15	15	15
			16	50	50	50	25	18	15	15	15
			20		50	50	25	18	15	15	15
			25			50	25	18	15	15	15
			32				25	18	15	15	15
			40					18	15	15	15
			50						15	15	15
			63							15	15

S800S – S200 @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200	B	10	6	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		Icu [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200	C	10	0.5…6	50	50	50	50	50	50	50	50
			8	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

S800S – S200L @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200L	C	6	6...8	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50

S800S – S200M @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	B	15	6…16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	C	15	0.5…16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

S800S – S200P @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	B	25	6…16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
		15	32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	C	25	0.5…16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
		15	32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

Backup limit values indicated in kA

Back-up protection
S800S – S280, -S400E, -S400M

S800S – S280 @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	In [A]	S800S B, C, D, K 50							
				25	32	40	50	63	80	100	125
S280	B	10	6	50	50	50	50	50	50	50	50
		25	10	50	50	50	25	20	16	16	16
			13	50	50	50	25	20	16	16	16
			16	50	50	50	25	20	16	16	16
			20		50	50	25	20	16	16	16
			25			50	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

Down-stream	Char.	Upstream I_{cu} [kA]	In [A]	S800S B, C, D, K 50							
				25	32	40	50	63	80	100	125
S280	C	10	3	50	50	50	50	50	50	50	50
			4	50	50	50	50	50	50	50	50
			6	50	50	50	50	50	50	50	50
			8	50	50	50	25	20	16	16	16
		25	10	50	50	50	25	20	16	16	16
			13	50	50	50	25	20	16	16	16
			16	50	50	50	25	20	16	16	16
			20		50	50	25	20	16	16	16
			25			50	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

Down-stream	Char.	Upstream I_{cu} [kA]	In [A]	S800S B, C, D, K 50							
				25	32	40	50	63	80	100	125
S280	K, Z	10	3	50	50	50	50	50	50	50	50
			4	50	50	50	50	50	50	50	50
			6	50	50	50	50	50	50	50	50
			8	50	50	50	25	20	16	16	16
		25	10	50	50	50	25	20	16	16	16
			13	50	50	50	25	20	16	16	16
			16	50	50	50	25	20	16	16	16
			20		50	50	25	20	16	16	16
			25			50	25	20	16	16	16
		15	32				25	20	16	16	16
		10	40					20	16	16	16
			50						16	16	16
			63							16	16

S800S – S400E @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	In [A]	S800S B, C, D, K 50							
				25	32	40	50	63	80	100	125
S400E	B	I_{cn} [kA] 6	6	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

Down-stream	Char.	Upstream I_{cu} [kA]	In [A]	S800S B, C, D, K 50							
				25	32	40	50	63	80	100	125
S400E	C	I_{cn} [kA] 6	0.5...6	50	50	50	50	50	50	50	50
			8	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

S800S – S400M @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	In [A]	S800S B, C, D, K 50							
				25	32	40	50	63	80	100	125
S400M S450M FS401M FS403M	B, D	I_{cn} [kA] 10	4*...16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

* for B characteristic only

Down-stream	Char.	Upstream I_{cu} [kA]	In [A]	S800S B, C, D, K 50							
				25	32	40	50	63	80	100	125
S400M S450M	C, K	50	0.5...2	50	50	50	50	50	50	50	50
		25	3...20	50	50	50	50	50	50	50	50
		15	25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

Backup limit values indicated in kA

Back-up protection
S800S – SN201

S800S – SN201 @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
SN201	B, D	10	6	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50

S800S – SN201 @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
SN201	C	10	2	50	50	50	50	50	50	50	50
			4	50	50	50	50	50	50	50	50
			6	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50

S800S – SN201 L @230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
SN201 L	B, C	6	2	50	40	25	25	18	15	15	15
			4	50	40	25	25	18	15	15	15
			6	50	40	25	25	18	15	15	15
			10	50	40	25	25	18	15	15	15
			16	50	40	25	25	18	15	15	15
			20		40	25	25	18	15	15	15
			25			25	25	18	15	15	15
			32				25	18	15	15	15
			40					18	15	15	15

S800S – SN201 M @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
SN201 M	B	10	6	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50

S800S - SN201 M @ 230/400 V

		Upstream		S800S							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
SN201 M	C	10	2	50	50	50	50	50	50	50	50
			4	50	50	50	50	50	50	50	50
			6	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50

Back-up protection
S800N – S60, -S200, -S200M, -S200P

S800N – S60 @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S60	C	6	2	36	36	36	25	18	15	15	15
			4	36	36	36	25	18	15	15	15
			6	36	36	36	25	18	15	15	15
			8	36	36	36	25	18	15	15	15
			10	36	36	36	25	18	15	15	15
			13	36	36	36	25	18	15	15	15
			16	36	36	36	25	18	15	15	15
			20		36	36	25	18	15	15	15
			25			36	25	18	15	15	15
			32				25	18	15	15	15
			40					18	15	15	15
			50						15	15	15
			63							15	15

S800N – S200 @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200	B	10	6	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			13	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200	C	10	0.5…6	36	36	36	36	36	36	36	36
			8	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			13	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

S800N – S200L @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200L	C	6	6...8	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			13	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36

S800N – S200M @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	B	15	6…16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	C	15	0.5…16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

S800N – S200P @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	B	25	6…16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
		15	32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	C	25	0.5…16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
		15	32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

Backup limit values indicated in kA

Back-up protection
S800N – S280, -S400E, -S400M

S800N – S280 @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S280	B	10	6	36	36	36	36	36	36	36	36
		25	10	36	36	36	25	20	16	16	16
			13	36	36	36	25	20	16	16	16
			16	36	36	36	25	20	16	16	16
			20		36	36	25	20	16	16	16
			25			36	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S280	C	10	3	36	36	36	36	36	36	36	36
			4	36	36	36	36	36	36	36	36
			6	36	36	36	36	36	36	36	36
			8	36	36	36	25	20	16	16	16
		25	10	36	36	36	25	20	16	16	16
			13	36	36	36	25	20	16	16	16
			16	36	36	36	25	20	16	16	16
			20		36	36	25	20	16	16	16
			25			36	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S280	K, Z	10	3	36	36	36	36	36	36	36	36
			4	36	36	36	36	36	36	36	36
			6	36	36	36	36	36	36	36	36
			8	36	36	36	25	20	16	16	16
		25	10	36	36	36	25	20	16	16	16
			13	36	36	36	25	20	16	16	16
			16	36	36	36	25	20	16	16	16
			20		36	36	25	20	16	16	16
			25			36	25	20	16	16	16
		15	32				25	20	16	16	16
		10	40					20	16	16	16
			50						16	16	16
			63							16	16

S800N – S400E @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400E	B	I_{cn} [kA] 6	6	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			13	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400E	C	I_{cn} [kA] 6	0.5...6	36	36	36	36	36	36	36	36
			8	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			13	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

S800N – S400M @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			In [A]	25	32	40	50	63	80	100	125
S400M S450M FS401MB FS403MB	B, D	I_{cn} [kA] 10	4*...16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

* for B characteristic only

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cn} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401MC FS451MC	C, K	50	0.5...2	36	36	36	36	36	36	36	36
		25	3...20	36	36	36	36	36	36	36	36
		15	25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36
			50						36	36	36
			63							36	36

Backup limit values indicated in kA

Back-up protection
S800N – SN201

S800N – SN201 @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
SN201	B, D	10	6	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36

S800N – SN201 @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
SN201	C	10	2	36	36	36	36	36	36	36	36
			4	36	36	36	36	36	36	36	36
			6	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36

S800N – SN201L @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
SN201 L	B, C	6	2	36	36	25	25	18	15	15	15
			4	36	36	25	25	18	15	15	15
			6	36	36	25	25	18	15	15	15
			10	36	36	25	25	18	15	15	15
			16	36	36	25	25	18	15	15	15
			20		36	25	25	18	15	15	15
			25			25	25	18	15	15	15
			32				25	18	15	15	15
			40					18	15	15	15

S800N – SN201M @ 230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
SN201 M	B	10	6	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36
			32				36	36	36	36	36
			40					36	36	36	36

S800N – SN201M @230/400 V

		Upstream		S800N							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
SN201 M	C	10	2	36	36	36	36	36	36	36	36
			4	36	36	36	36	36	36	36	36
			6	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36
			25			36	36	36	36	36	36

Back-up protection
S800C – S60, -S200, -S200M, -S200P

S800C – S60 @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
S60	C	6	2	25	25	25	25	18	15	15	15
			4	25	25	25	25	18	15	15	15
			6	25	25	25	25	18	15	15	15
			8	25	25	25	25	18	15	15	15
			10	25	25	25	25	18	15	15	15
			13	25	25	25	25	18	15	15	15
			16	25	25	25	25	18	15	15	15
			20		25	25	25	18	15	15	15
			25			25	25	18	15	15	15
			32				25	18	15	15	15
			40					18	15	15	15
			50						15	15	15
			63							15	15

S800C – S200 @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S200	B	10	6	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			13	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
			50						25	25	25
			63							25	25

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S200	C	10	0.5…6	25	25	25	25	25	25	25	25
			8	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			13	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
			50						25	25	25
			63							25	25

S800C – S200L @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S200L	C	6	6...8	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			13	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25

S800C – S200M @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S200M	B	15	6…16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
			50						25	25	25
			63							25	25

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S200M	C	15	0.5…16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
			50						25	25	25
			63							25	25

S800C – S200P @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S200P	B	25	6…16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
		15	32				25	25	25	25	25
			40					25	25	25	25
			50						25	25	25
			63							25	25

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S200P	C	25	0.5…16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
		15	32				25	25	25	25	25
			40					25	25	25	25
			50						25	25	25
			63							25	25

Backup limit values indicated in kA

Back-up protection
S800C – S280, -S400E, -S400M

S800C – S280 @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
S280	B	10	6	25	25	25	25	25	25	25	25
		25	10	25	25	25	25	20	16	16	16
			13	25	25	25	25	20	16	16	16
			16	25	25	25	25	20	16	16	16
			20		25	25	25	20	16	16	16
			25			25	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
S280	C	10	3	25	25	25	25	25	25	25	25
			4	25	25	25	25	25	25	25	25
			6	25	25	25	25	25	25	25	25
			8	25	25	25	25	20	16	16	16
		25	10	25	25	25	25	20	16	16	16
			13	25	25	25	25	20	16	16	16
			16	25	25	25	25	20	16	16	16
			20		25	25	25	20	16	16	16
			25			25	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
S280	K, Z	10	3	25	25	25	25	25	25	25	25
			4	25	25	25	25	25	25	25	25
			6	25	25	25	25	25	25	25	25
			8	25	25	25	25	20	16	16	16
		25	10	25	25	25	25	20	16	16	16
			13	25	25	25	25	20	16	16	16
			16	25	25	25	25	20	16	16	16
			20		25	25	25	20	16	16	16
			25			25	25	20	16	16	16
		15	32				25	20	16	16	16
		10	40					20	16	16	16
			50						16	16	16
			63							16	16

S800C – S400E @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
S400E	B	I_{cn} [kA] 6	6	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			13	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
			50						25	25	25
			63							25	25

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
S400E	C	I_{cn} [kA] 6	0.5...6	25	25	25	25	25	25	25	25
			8	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			13	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
			50						25	25	25
			63							25	25

Backup limit values indicated in kA

Back-up protection
S800C – S400M

S800C – S400M @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S400M S450M	B, D	I_{cn} [kA]	4*…16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
		10	50						25	25	25
			63							25	25

* for B characteristic only

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S400M S450M	C	25	3...20	25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
		15	50						25	25	25
			63							25	25

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I_{cu} [kA]		25							
			In [A]	25	32	40	50	63	80	100	125
S400M S450M	K	25	3...20	25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25
		10	50						25	25	25
			63							25	25

Backup limit values indicated in kA

Back-up protection
S800C – SN201

S800C – SN201 @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
SN201	B, D	10	6	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25

S800C – SN201 @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
SN201	C	10	2	25	25	25	25	25	25	25	25
			4	25	25	25	25	25	25	25	25
			6	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25

S800C – SN201L @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
SN201L	B, C	6	2	25	25	25	25	18	15	15	15
			4	25	25	25	25	18	15	15	15
			6	25	25	25	25	18	15	15	15
			10	25	25	25	25	18	15	15	15
			16	25	25	25	25	18	15	15	15
			20		25	25	25	18	15	15	15
			25			25	25	18	15	15	15
			32				25	18	15	15	15
			40					18	15	15	15

S800C – SN201M @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
SN201M	B	10	6	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25
			40					25	25	25	25

S800C – SN201M @ 230/400 V

		Upstream		S800C							
	Char.			B, C, D, K							
Down-stream		I_{cu} [kA]		25							
			I_n [A]	25	32	40	50	63	80	100	125
SN201M	C	10	2	25	25	25	25	25	25	25	25
			4	25	25	25	25	25	25	25	25
			6	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25
			25			25	25	25	25	25	25
			32				25	25	25	25	25

Back-up protection
S800B – S200

S800B – S200 @ 230/400 V

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
S200	B	10	6	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
			50					16	16	16
			63					16	16	16

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
S200	C, D K, Z	10	0.5…6	16	16	16	16	16	16	16
			8	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
			50					16	16	16
			63					16	16	16

* only S800B-B,C
back-up values indicated in kA

S800B – S200M @ 230/400 V

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
S200M	B	15	6	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
		10	50					16	16	16
			63					16	16	16

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
S200	C, D K, Z	15	0.5…6	16	16	16	16	16	16	16
			8	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
		10	50					16	16	16
			63					16	16	16

* only S800B-B,C

Back-up protection
S800B – S400

S800B – S400E @ 230/400 V

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
S400E	B, C	6	6	16	16	16	16	16	16	16
			8	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
			50					16	16	16
			63					16	16	16

* only S800B-B,C
back-up values indicated in kA

S800B – S400M @ 230/400 V

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
S400M	B, D	10	6**	16	16	16	16	16	16	16
			8**	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
			50					16	16	16
			63					16	16	16

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
S400M	C	10	2	16	16	16	16	16	16	16
			3	16	16	16	16	16	16	16
			4	16	16	16	16	16	16	16
			6	16	16	16	16	16	16	16
			8	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
			50					16	16	16
			63					16	16	16

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
S400M	K	10	0.5..6	16	16	16	16	16	16	16
			8	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
			50					16	16	16
			63					16	16	16

* only S800B-B,C
** only S400M-B

Back-up protection
S800B – SN201

S800B – SN201 @ 230 V (Two-pole circuit-breakers)

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
SN201	B, D	10	6	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
SN201	C	10	2	16	16	16	16	16	16	16
			4	16	16	16	16	16	16	16
			6	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
SN201 L	B, C	6	2	16	16	16	16	15	15	15
			4	16	16	16	16	15	15	15
			6	16	16	16	16	15	15	15
			10	16	16	16	16	15	15	15
			16	16	16	16	16	15	15	15
			20	16	16	16	16	15	15	15
			25		16	16	16	15	15	15
			32			16	16	15	15	15
			40				16	15	15	15

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125*
SN201 M	B	10	6	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16

		Upstream		S800B						
	Char.			B, C, D, K						
Down-stream		I_{cu} [kA]								
			I_n [A]	32	40	50	63	80	100	125
SN201 M	C	10	2	16	16	16	16	16	16	16
			4	16	16	16	16	16	16	16
			6	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16

* only S800B-B,C
back-up values indicated in kA

Back-up compliant to IEC 60947-2
S800U – S60, -S200, -S200L, -S200M

S800U – S60 @ 230/400 V

		Upstream		S800U							
	Char.			K, Z							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S60	C	6	2	50	50	50	25	18	15	15	15
			4	50	50	50	25	18	15	15	15
			8	50	50	50	25	18	15	15	15
			10	50	50	50	25	18	15	15	15
			13	50	50	50	25	18	15	15	15
			16	50	50	50	25	18	15	15	15
			20		50	50	25	18	15	15	15
			25			50	25	18	15	15	15
			32				25	18	15	15	15
			40					18	15	15	15
			50						15	15	15
			63							15	15

S800U – S200L @ 230/400 V

		Upstream		S800U							
	Char.			K, Z							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200L	C	6	6...8	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50

S800U – S200 @ 230/400 V

		Upstream		S800U							
	Char.			K, Z							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200	B	10	6	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

S800U – S200M @ 230/400 V

		Upstream		S800U							
	Char.			K, Z							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	B	15	6...16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

		Upstream		S800U							
	Char.			K, Z							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200	B	10	0.5...6	50	50	50	50	50	50	50	50
			8	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

		Upstream		S800U							
	Char.			K, Z							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	C	15	0.5...16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

Backup limit values indicated in kA

Back-up compliant to IEC 60947-2
S800U – S200P

S800U – S200P @ 230/400 V

		Upstream		S800U							
	Char.			K, Z							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	B	25	6...16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
		15	32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

		Upstream		S800U							
	Char.			K, Z							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	C	25	0.5...16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
		15	32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

Backup limit values indicated in kA

Back-up compliant to IEC 60947-2
S800U – S280, -S400E, -S400M

S800U – S280 @ 230/400 V

Down-stream	Char.	Upstream		S800U							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S280	B	10	6	50	50	50	50	50	50	50	50
		25	10	50	50	50	25	20	16	16	16
			13	50	50	50	25	20	16	16	16
			16	50	50	50	25	20	16	16	16
			20		50	50	25	20	16	16	16
			25			50	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800U							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S280	C	10	3	50	50	50	50	50	50	50	50
			4	50	50	50	25	20	16	16	16
			6	50	50	50	25	20	16	16	16
			8	50	50	50	25	20	16	16	16
		25	10	50	50	50	25	20	16	16	16
			13	50	50	50	25	20	16	16	16
			16	50	50	50	25	20	16	16	16
			20		50	50	25	20	16	16	16
			25			50	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800U							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S280	K, Z	10	3	50	50	50	50	50	50	50	50
			4	50	50	50	25	20	16	16	16
			6	50	50	50	25	20	16	16	16
			8	50	50	50	25	20	16	16	16
		25	10	50	50	50	25	20	16	16	16
			13	50	50	50	25	20	16	16	16
			16	50	50	50	25	20	16	16	16
			20		50	50	25	20	16	16	16
			25			50	25	20	16	16	16
		15	32				25	20	16	16	16
			40					20	16	16	16
		10	50						16	16	16
			63							16	16

S800U – S400E @ 230/400 V

Down-stream	Char.	Upstream		S800U							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400E	B	I_{cn} [kA] 6	6	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

Down-stream	Char.	Upstream		S800U							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400E	C	I_{cn} [kA] 6	0.5...6	50	50	50	50	50	50	50	50
			8	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

S800U – S400M @ 230/400 V

Down-stream	Char.	Upstream		S800U							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	B, D	I_{cn} [kA] 10	4*...16	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50
			25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

* only applies to B characteristic

Down-stream	Char.	Upstream		S800U							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	C	25	3...20	50	50	50	50	50	50	50	50
		15	25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

Down-stream	Char.	Upstream		S800U							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	K	25	3...20	50	50	50	50	50	50	50	50
		10	25			50	50	50	50	50	50
			32				50	50	50	50	50
			40					50	50	50	50
			50						50	50	50
			63							50	50

Backup limit values indicated in kA

Back-up compliant to UL 489
Tmax/Fuse – S800U acc. to UL489

Class J Fuse – S800U (1-pole) @ 240 V AC

		Upstream		Fuse	
Downstream	Char.	I_{cu} [A]	I_n [kA]	max. 250	max. 250
S800U	K, Z	30	10...80	30	30
			10...100	30	30

Class J Fuse – S800U (multipole) @ 240 V AC

		Upstream		Fuse	
Downstream	Char.	I_{cu} [A]	I_n [kA]	max. 250	max. 250
S800U	K, Z	50	10...80	50	50
			10...100	50	50

Sace Tmax – S800U (1-pole) @ 240 V AC

			Upstream	T4	T4	T4	T4	T4	T5	T5	T5	T5	T5
				N	S	H	L	V	N	S	H	L	V
		I_{cu} [A]		65	100	150	200	200	65	100	150	200	200
Downream	Char.	30	I_n [A]	20...250	20...250	20...250	20...250	20...250	max. 600	max. 600	max. 600	max. 600	max. 600
S800U	K, Z		10...80	30	30	30	30	30	30	30	30	30	30
			90...100	30	30	30	30	30	30	30	30	30	30

Sace Tmax – S800U (multipole) @ 240 V AC

			Upstream	T4	T4	T4	T4	T4	T5	T5	T5	T5	T5
				N	S	H	L	V	N	S	H	L	V
		I_{cu} [kA]		65	100	150	200	200	65	100	150	200	200
Downstream	Char.	50	I_n [A]	20...250	20...250	20...250	20...250	20...250	max. 600	max. 600	max. 600	max. 600	max. 600
S800U	K, Z		10...80	50	50	50	50	50	50	50	50	50	50
			90...100	50	50	50	50	50	50	50	50	50	50

Backup limit values indicated in kA

Back-up protection
Tmax/XT – S800

Tmax – S800 @ 415V

			Upstream	T1	T1	T1	T2	T3	T4	T2	T3	T4	T2	T4	T2	T4	T4
			Version	B	C	N				S			H		L	L	V
Downstream	Char.	I_n [A]	I_{cu} [kA]	16	25	36				50			70		85	120	200
S800S	B, C, D, K	6...125	50										70	70	85	120	200
S800N	B, C, D	6...125	36							50	50	50	70	70	85	120	200
S800C	B, C, D, K	10...125	25			36	36	36	36	50	50	50	70	70	85	120	200

XT – S800 @ 415V

			Upstream	XT1	XT1	XT1	XT2	XT3	XT4	XT1	XT2	XT3	XT4	XT1	XT2	XT4	XT2	XT4	XT2	XT4
			Version	B	C	N				S					H			L		V
Downstream	Char.	I_n [A]	I_{cu} [kA]	18	25	36				50					70			120	120	150
S800S	B, C, D, K	6...125	50											70	70	70	120	120	150	150
S800N	B, C, D	6...125	36							50	50	50	50	70	70	70	120	120	150	150
S800C	B, C, D, K	10...125	25			36	36	36	36	50	50	50	50	70	70	70	120	120	150	150

Back-up protection
S800 – S400M

S800S – S400M @ 254/440 V

		Upstream		S800S							
			Char.	B, C, D, K							
Downstream	Char.	I_{cu} [kA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	C, K	15	0,5…2	30	30	30	30	30	30	30	30
		10	3…10	30	30	30	30	30	30	30	30
		6	13	30	30	30	30	30	30	30	30
			16	30	30	30	30	30	30	30	30
			20		30	30	30	30	30	30	30
			25			30	30	30	30	30	30
			32				30	30	30	30	30
			40					30	30	30	30
			50						30	30	30
			63							30	30

S800N – S400M @ 254/440 V

		Upstream		S800N							
			Char.	B, C, D, K							
Downstream	Char.	I_{cu} [kA]		20							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	C, K	15	0,5…2	20	20	20	20	20	20	20	20
		10	3…10	20	20	20	20	20	20	20	20
		6	13	20	20	20	20	20	20	20	20
			16	20	20	20	20	20	20	20	20
			20		20	20	20	20	20	20	20
			25			20	20	20	20	20	20
			32				20	20	20	20	20
			40					20	20	20	20
			50						20	20	20
			63							20	20

Selectivity
Fuses gL/gG – S400/S450, FS401/451

In a low voltage distribution system service continuity is much desired. This means, that two or more in series connected overcurrent protection devices should operate selective in case of an overload or a short circuit. Selectivity is achieved, if only the protective device closest to the fault location operates. Selectivity between two protection devices is assured, if the let through energy of the downstream installed protection device does not reach the value of the melting energy of the upstream connected one. In case of a short circuit a selective interruption of the fault current is assured up to the values indicated in the tables. The information is based on the average operating curves of the upstream connected protection devices.

Fuse gL/gG – S400M @ 230/400V

		Upstream	Fuse gL/gG									
Downstream	Char.	I_n [A]	16	20	25	35	50	63	80	100	125	160
S400M S450M FS401M FS403M FS451M FS453M	B, C	≤ 2	1	1.2	4	>15 *	>15 *	>15 *	>15 *	>15 *	>15 *	>15 *
		3	0.3	0.7	1.2	4.6	6	6	6	6	6	6
		4	0.3	0.6	0.9	2.8	6	6	6	6	6	6
		6	0.2	0.5	0.8	2	3.3	5.5	6	6	6	6
		8	0.2	0.4	0.7	1.7	2.8	4.5	6	6	6	6
		10	0.2	0.4	0.7	1.5	2.5	3.5	5	6	6	6
		13			0.7	1.5	2.5	3.5	5	6	6	6
		16				1.3	2	2.9	4.1	6	6	6
		20					1.8	2.6	3.5	5	6	6
		25					1.8	2.6	3.5	5	6	6
		32						2.2	3	4	6	6
		40							2.5	4	6	6
		50/63								3.5	5	6

Fuse gL/gG – S400M @ 230/400V

		Upstream	Fuse gL/gG									
Downstream	Char.	I_n [A]	16	20	25	35	50	63	80	100	125	160
S400M S450M	D, K	≤ 2	0.3	1.2	4	>15 *	>15 *	>15 *	>15 *	>15 *	>15 *	>15 *
		3	0.3	0.7	1.2	4.6	6	6	6	6	6	6
		4	0.3	0.6	0.9	2.8	6	6	6	6	6	6
		6			0.7	1.7	3	5.9	6	6	6	6
		8				1.3	2.2	3.6	6	6	6	6
		10					1.7	2.5	4	6	6	6
		13						2.2	3.1	4.6	6	6
		16							3.1	4.6	6	6
		20							2.6	3.5	6	6
		25								3.5	6	6
		32									5.5	6
		40										6
		50/63										

T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

* only applies to IEC/EN 60947-2 characteristics C and K

Selectivity
S400/S450 – S400/S450

S400/S450 – S400/S450 @ 230/400 V

B-Characteristic	B-Characteristic										
	I_n (in A)	6	10	13	16	20	25	32	40	50	63
	6		0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	10			0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	13					0.08	0.1	0.13	0.16	0.2	0.25
	16						0.1	0.13	0.16	0.2	0.25
	20							0.13	0.16	0.2	0.25
	25								0.16	0.2	0.25
	32									0.2	0.25
	40										0.25
	50										
	63										

S400/S450 – S400/S450 @ 230/400 V

B-Characteristic	C-Characteristic											
	I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
	6			0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	10				0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	13						0.2	0.2	0.24	0.3	0.38	0.47
	16							0.2	0.24	0.3	0.38	0.47
	20								0.24	0.3	0.38	0.47
	25									0.3	0.38	0.47
	32										0.38	0.47
	40											0.47
	50											
	63											

C-Characteristic	B-Characteristic										
	I_n (in A)	6	10	13	16	20	25	32	40	50	63
	0.5	0.02	0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	1	0.02	0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	2	0.02	0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	3		0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	4		0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	6				0.06	0.08	0.1	0.13	0.16	0.2	0.25
	10						0.1	0.13	0.16	0.2	0.25
	13							0.13	0.16	0.2	0.25
	16								0.16	0.2	0.25
	20									0.2	0.25
	25										0.25
	32										
	40										
	50										
	63										

C-Characteristic	C-Characteristic											
	I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
	0.5	0.030	0.045	0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	1	0.030	0.045	0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	2	0.030	0.045	0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	3		0.045	0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	4			0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	6			0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	10					0.1	0.2	0.2	0.24	0.3	0.38	0.47
	13						0.2	0.2	0.24	0.3	0.38	0.47
	16							0.2	0.24	0.3	0.38	0.47
	20								0.24	0.3	0.38	0.47
	25									0.3	0.38	0.47
	32										0.38	0.47
	40											0.47
	50											
	63											

D-Characteristic	B-Characteristic										
	I_n (in A)	6	10	13	16	20	25	32	40	50	63
	6		0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	10				0.06	0.08	0.1	0.13	0.16	0.2	0.25
	13					0.08	0.1	0.13	0.16	0.2	0.25
	16						0.1	0.13	0.16	0.2	0.25
	20							0.13	0.16	0.2	0.25
	25								0.16	0.2	0.25
	32									0.2	0.25
	40										0.25
	50										
	63										

D-Characteristic	C-Characteristic											
	I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
	6			0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	10					0.1	0.2	0.2	0.24	0.3	0.38	0.47
	13						0.2	0.2	0.24	0.3	0.38	0.47
	16							0.2	0.24	0.3	0.38	0.47
	20								0.24	0.3	0.38	0.47
	25									0.3	0.38	0.47
	32										0.38	0.47
	40											0.47
	50											
	63											

K-Characteristic	B-Characteristic										
	I_n (in A)	6	10	13	16	20	25	32	40	50	63
	0.5	0.02	0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	1	0.02	0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	2	0.02	0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	3	0.02	0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	4		0.04	0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	6			0.05	0.06	0.08	0.1	0.13	0.16	0.2	0.25
	10				0.06	0.08	0.1	0.13	0.16	0.2	0.25
	13					0.08	0.1	0.13	0.16	0.2	0.25
	16						0.1	0.13	0.16	0.2	0.25
	20							0.13	0.16	0.2	0.25
	25								0.16	0.2	0.25
	32									0.2	0.25
	40										0.25
	50										
	63										

K-Characteristic	C-Characteristic											
	I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
	0.5	0.030	0.045	0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	1	0.030	0.045	0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	2	0.030	0.045	0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	3		0.045	0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	4			0.075	0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	6				0.1	0.1	0.2	0.2	0.24	0.3	0.38	0.47
	10					0.1	0.2	0.2	0.24	0.3	0.38	0.47
	13						0.2	0.2	0.24	0.3	0.38	0.47
	16							0.2	0.24	0.3	0.38	0.47
	20								0.24	0.3	0.38	0.47
	25									0.3	0.38	0.47
	32										0.38	0.47
	40											0.47
	50											
	63											

Selectivity
S400/S450 – S400/S450

S400/S450 – S400/S450 @ 230/400 V

B-Characteristic	D-Characteristic										
I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
6	0.06	0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
10					0.22	0.28	0.35	0.45	0.56	0.7	0.88
13						0.28	0.35	0.45	0.56	0.7	0.88
16							0.35	0.45	0.56	0.7	0.88
20								0.45	0.56	0.7	0.88
25									0.56	0.7	0.88
32										0.7	0.88
40											0.88
50											
63											

C-Characteristic	D-Characteristic										
I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
0.5	0.06	0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
1	0.06	0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
2	0.06	0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
3		0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
4			0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
6				0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
10					0.22	0.28	0.35	0.45	0.56	0.7	0.88
13						0.28	0.35	0.45	0.56	0.7	0.88
16							0.35	0.45	0.56	0.7	0.88
20								0.45	0.56	0.7	0.88
25									0.56	0.7	0.88
32										0.7	0.88
40											0.88
50											
63											

D-Characteristic	D-Characteristic										
I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
6			0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
10					0.22	0.28	0.35	0.45	0.56	0.7	0.88
13						0.28	0.35	0.45	0.56	0.7	0.88
16							0.35	0.45	0.56	0.7	0.88
20								0.45	0.56	0.7	0.88
25									0.56	0.7	0.88
32										0.7	0.88
40											0.88
50											
63											

K-Characteristic	D-Characteristic										
I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
0.5	0.06	0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
1	0.06	0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
2	0.06	0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
3		0.08	0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
4			0.14	0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
6				0.18	0.22	0.28	0.35	0.45	0.56	0.7	0.88
10					0.22	0.28	0.35	0.45	0.56	0.7	0.88
13						0.28	0.35	0.45	0.56	0.7	0.88
16							0.35	0.45	0.56	0.7	0.88
20								0.45	0.56	0.7	0.88
25									0.56	0.7	0.88
32										0.7	0.88
40											0.88
50											
63											

S400/S450 – S400/S450 @ 230/400 V

B-Characteristic	K-Characteristic										
I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
6			0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
10					0.16	0.2	0.25	0.32	0.4	0.5	0.63
13						0.2	0.25	0.32	0.4	0.5	0.63
16							0.25	0.32	0.4	0.5	0.63
20								0.32	0.4	0.5	0.63
25									0.4	0.5	0.63
32										0.5	0.63
40											0.63
50											
63											

C-Characteristic	K-Characteristic										
I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
0.5	0.4	0.6	0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
1	0.4	0.6	0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
2	0.4	0.6	0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
3		0.6	0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
4			0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
6				0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
10					0.16	0.2	0.25	0.32	0.4	0.5	0.63
13						0.2	0.25	0.32	0.4	0.5	0.63
16							0.25	0.32	0.4	0.5	0.63
20								0.32	0.4	0.5	0.63
25									0.4	0.5	0.63
32										0.5	0.63
40											0.63
50											
63											

D-Characteristic	K-Characteristic										
I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
6			0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
10					0.16	0.2	0.25	0.32	0.4	0.5	0.63
13						0.2	0.25	0.32	0.4	0.5	0.63
16							0.25	0.32	0.4	0.5	0.63
20								0.32	0.4	0.5	0.63
25									0.4	0.5	0.63
32										0.5	0.63
40											0.63
50											
63											

C-Characteristic	K-Characteristic										
I_n (in A)	4	6	10	13	16	20	25	32	40	50	63
0.5	0.4	0.6	0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
1	0.4	0.6	0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
2	0.4	0.6	0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
3		0.6	0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
4			0.1	0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
6				0.13	0.16	0.2	0.25	0.32	0.4	0.5	0.63
10					0.16	0.2	0.25	0.32	0.4	0.5	0.63
13						0.2	0.25	0.32	0.4	0.5	0.63
16							0.25	0.32	0.4	0.5	0.63
20								0.32	0.4	0.5	0.63
25									0.4	0.5	0.63
32										0.5	0.63
40											0.63
50											
63										<	

Selectivity
S800S – S200

S800S – S200 @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50							
				25	32	40	50	63	80	100	125
S200	B	10	6			0.4	0.5	0.7	1	1.5	2.6
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
			32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50							
				25	32	40	50	63	80	100	125
S200	C	10	0.5	T	T	T	T	T	T	T	T
			1	3.3	T	T	T	T	T	T	T
			1.6	0.6	1.3	T	T	T	T	T	T
			2	0.4	0.7	1.3	T	T	T	T	T
			3		0.4	0.6	0.7	1.1	2.6	T	T
			4		0.4	0.6	0.7	1	1.7	3.1	T
			6			0.4	0.5	0.7	1	1.5	2.6
			8				0.4	0.6	0.7	1	1.4
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
			32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50							
				25	32	40	50	63	80	100	125
S200	D	10	0.5	T	T	T	T	T	T	T	T
			1	0.8	4.5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	T	T
			4		0.4	0.4	0.7	1	1.7	3	T
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50							
				25	32	40	50	63	80	100	125
S200	K	10	0.5	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.1	T	T	T	T	T
			2	0.3	0.5	0.7	2.1	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	T	T
			4		0.4	0.4	0.7	1	1.7	3	T
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
			32								
			40								
			50								
			63								

S800S – S200 @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50							
				25	32	40	50	63	80	100	125
S200	B	10	6		0.4	0.5	0.7	0.9	1.4	2.4	4.8
			10		0.3	0.4	0.5	0.7	0.9	1.3	2
			13		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			16		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			20			0.4	0.5	0.7	0.9	1.2	1.8
			25			0.4	0.5	0.7	0.9	1.2	1.8
			32				0.5	0.6	0.8	1	1.4
			40					0.6	0.8	1	1.4
			50						0.7	0.9	1.3
			63							0.9	1.2

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50							
				25	32	40	50	63	80	100	125
S200	C	10	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	0.6	T	T	T	T	T	T	T
			2	0.5	1	T	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.1	T	T	T
			4	0.3	0.4	0.7	1	1.5	2.6	T	T
			6		0.4	0.5	0.7	0.9	1.4	2.4	4.8
			8		0.3	0.4	0.5	0.7	0.9	1.3	2
			10		0.3	0.4	0.5	0.7	0.9	1.3	2
			13		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			16		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			20			0.4	0.5	0.7	0.9	1.2	1.8
			25			0.4	0.5	0.7	0.9	1.2	1.8
			32				0.5	0.6	0.8	1	1.4
			40					0.6	0.8	1	1.4
			50						0.7	0.9	1.3
			63							0.9	1.2

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50							
				25	32	40	50	63	80	100	125
S200	D	10	0.5	T	T	T	T	T	T	T	T
			1	2.1	T	T	T	T	T	T	T
			1.6	0.8	2.3	T	T	T	T	T	T
			2	0.4	0.7	2.3	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.2	T	T	T
			4	0.3	0.4	0.7	1	1.4	2.6	T	T
			6		0.4	0.6	0.8	1.1	1.8	3.2	T
			8			0.5	0.7	0.9	1.2	1.8	2.8
			10				0.7	0.9	1.2	1.8	2.8
			13					0.7	1	1.4	2
			16						1	1.4	2
			20							1	1.4
			25								1.4
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50							
				25	32	40	50	63	80	100	125
S200	K	10	0.5	T	T	T	T	T	T	T	T
			1	2.1	T	T	T	T	T	T	T
			1.6	0.8	2.3	T	T	T	T	T	T
			2	0.4	0.7	2.3	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.2	T	T	T
			4	0.3	0.4	0.7	1	1.4	2.6	T	T
			6		0.4	0.6	0.8	1.1	1.8	3.2	T
			8			0.5	0.7	0.9	1.2	1.8	2.8
			10				0.7	0.9	1.2	1.8	2.8
			13					0.7	1	1.4	2
			16						1	1.4	2
			20							1	1.4
			25								1.4
			32								
			40								
			50								
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800S – S200

S800S – S200 @ 230/400 V

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200	B	10	6	0.5	1	1.2	2	2.8	T	T	T
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	T
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	T
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
			32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200	C	10	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
			3	0.7	2.2	4.4	T	T	T	T	T
			4	0.7	1.3	2.2	4.4	T	T	T	T
			6	0.5	1	1.2	2	2.8	T	T	T
			8	0.4	0.6	0.8	1.1	1.4	2.8	3.9	T
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	T
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
			32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200	D	10	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	T	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	T	T	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	T
			10	0.5	0.7	1.1	1.5	2	4	5.5	T
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
			32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200	K	10	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	T	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	T	T	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	T
			10	0.5	0.7	1.1	1.5	2	4	5.5	T
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
			32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800S – S200M

S800S – S200M @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50							
				25	32	40	50	63	80	100	125
S200M	B	15	6			0.4	0.5	0.7	1	1.5	2.6
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
			32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50							
				25	32	40	50	63	80	100	125
S200M	C	15	0.5	T	T	T	T	T	T	T	T
			1	3.3	T	T	T	T	T	T	T
			1.6	0.6	1.3	T	T	T	T	T	T
			2	0.4	0.7	1.3	T	T	T	T	T
			3		0.4	0.6	0.7	1.1	2.6	8.8	T
			4		0.4	0.6	0.7	1	1.7	3.1	7
			6			0.4	0.5	0.7	1	1.5	2.6
			8				0.4	0.6	0.7	1	1.4
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
			32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50							
				25	32	40	50	63	80	100	125
S200M	D	15	0.5	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	8.6	T
			4		0.4	0.4	0.7	1	1.7	3	7.7
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50							
				25	32	40	50	63	80	100	125
S200M	K	15	0.5	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	8.6	T
			4		0.4	0.4	0.7	1	1.7	3	7.7
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
			32								
			40								
			50								
			63								

S800S – S200M @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50							
				25	32	40	50	63	80	100	125
S200M	B	15	6		0.4	0.5	0.7	0.9	1.4	2.4	4.8
			10		0.3	0.4	0.5	0.7	0.9	1.3	2
			13		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			16		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			20			0.4	0.5	0.7	0.9	1.2	1.8
			25			0.4	0.5	0.7	0.9	1.2	1.8
			32				0.5	0.6	0.8	1	1.4
			40					0.6	0.8	1	1.4
			50						0.7	0.9	1.3
			63							0.9	1.2

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50							
				25	32	40	50	63	80	100	125
S200M	C	15	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	0.6	T	T	T	T	T	T	T
			2	0.5	1	T	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.1	6.4	T	T
			4	0.3	0.4	0.7	1	1.5	2.6	6.1	T
			6		0.4	0.5	0.7	0.9	1.4	2.4	4.8
			8		0.3	0.4	0.5	0.7	0.9	1.3	2
			10		0.3	0.4	0.5	0.7	0.9	1.3	2
			13		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			16		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			20			0.4	0.5	0.7	0.9	1.2	1.8
			25			0.4	0.5	0.7	0.9	1.2	1.8
			32				0.5	0.6	0.8	1	1.4
			40					0.6	0.8	1	1.4
			50						0.7	0.9	1.3
			63							0.9	1.2

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50							
				25	32	40	50	63	80	100	125
S200M	D	15	0.5	T	T	T	T	T	T	T	T
			1	2.1	T	T	T	T	T	T	T
			1.6	0.8	2.3	T	T	T	T	T	T
			2	0.4	0.7	2.3	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.2	6.4	T	T
			4	0.3	0.4	0.7	1	1.4	2.6	6.2	T
			6		0.4	0.6	0.8	1.1	1.8	3.2	6.4
			8			0.5	0.7	0.9	1.2	1.8	2.8
			10				0.7	0.9	1.2	1.8	2.8
			13					0.7	1	1.4	2
			16						1	1.4	2
			20							1	1.4
			25								1.4
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50							
				25	32	40	50	63	80	100	125
S200M	K	15	0.5	T	T	T	T	T	T	T	T
			1	2.1	T	T	T	T	T	T	T
			1.6	0.8	2.3	T	T	T	T	T	T
			2	0.4	0.7	2.3	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.2	6.4	T	T
			4	0.3	0.4	0.7	1	1.4	2.6	6.2	T
			6		0.4	0.6	0.8	1.1	1.8	3.2	6.4
			8			0.5	0.7	0.9	1.2	1.8	2.8
			10				0.7	0.9	1.2	1.8	2.8
			13					0.7	1	1.4	2
			16						1	1.4	2
			20							1	1.4
			25								1.4
			32								
			40								
			50								
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800S – S200M

S800S – S200M @ 230/400 V

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	B	15	6	0.5	1	1.2	2	2.8	T	T	T
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
			32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	C	15	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
			3	0.7	2.2	4.4	T	T	T	T	T
			4	0.7	1.3	2.2	4.4	7.7	T	T	T
			6	0.5	1	1.2	2	2.8	9.9	T	T
			8	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
			32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	D	15	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	7.7	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	T	T	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	T
			10	0.5	0.7	1.1	1.5	2	4	5.5	T
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
			32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200M	K	15	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	7.7	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	T	T	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	T
			10	0.5	0.7	1.1	1.5	2	4	5.5	T
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
			32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800S – S200P

S800S – S200P @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50 25	32	40	50	63	80	100	125
S200P	B	25	6			0.4	0.5	0.7	1	1.5	2.6
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
		15	32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

S800S – S200P @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50 25	32	40	50	63	80	100	125
S200P	B	25	6			0.4	0.5	0.7	1	1.5	2.6
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
		15	32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50 25	32	40	50	63	80	100	125
S200P	C	25	0.5	T	T	T	T	T	T	T	T
			1	3.3	T	T	T	T	T	T	T
			1.6	0.6	1.3	T	T	T	T	T	T
			2	0.4	0.7	1.2	T	T	T	T	T
			3		0.4	0.6	0.7	1.1	2.6	8.8	T
			4		0.4	0.6	0.7	1	1.7	3.1	7
			6			0.4	0.5	0.7	1	1.5	2.6
			8				0.4	0.6	0.7	1	1.4
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
		15	32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50 25	32	40	50	63	80	100	125
S200P	C	25	0.5	T	T	T	T	T	T	T	T
			1	3.3	T	T	T	T	T	T	T
			1.6	0.6	1.3	T	T	T	T	T	T
			2	0.4	0.7	1.3	T	T	T	T	T
			3		0.4	0.6	0.7	1.1	2.6	8.8	T
			4		0.4	0.6	0.7	1	1.7	3.1	7
			6			0.4	0.5	0.7	1	1.5	2.6
			8				0.4	0.6	0.7	1	1.4
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
		15	32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S B 50 25	32	40	50	63	80	100	125
S200P	K	25	0.2	T	T	T	T	T	T	T	T
			0.3	T	T	T	T	T	T	T	T
			0.5	T	T	T	T	T	T	T	T
			0.75	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.1	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	8.6	T
			4		0.4	0.4	0.7	1	1.7	3	7.7
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
		15	32								
			40								
			50								
			63								

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800S C 50 25	32	40	50	63	80	100	125
S200P	K	25	0.2	T	T	T	T	T	T	T	T
			0.3	T	T	T	T	T	T	T	T
			0.5	T	T	T	T	T	T	T	T
			0.75	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	8.6	T
			4		0.4	0.4	0.7	1	1.7	3	7.7
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
		15	32								
			40								
			50								
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800S – S200P

S800S – S200P @ 230/400 V

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	B	25	6	0.5	1	1.2	2	2.8	9.9	21.3	T
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
		15	32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	C	25	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
			3	0.7	2.2	4.4	T	T	T	T	T
			4	0.7	1.3	2.2	4.4	7.7	T	T	T
			6	0.5	1	1.2	2	2.8	9.9	22	T
			8	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
		15	32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	K	25	0.2	T	T	T	T	T	T	T	T
			0.3	T	T	T	T	T	T	T	T
			0.5	T	T	T	T	T	T	T	T
			0.75	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	7.7	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	12	24.2	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	9.9
			10	0.5	0.7	1.1	1.5	2	4	5.5	9.9
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25						1.8	2.2	3.2
		15	32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800S – S400E/S450E

S800S – S400E/S450E @ 230/400 V

		Upstream		S800S							
	Char.			B							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400E S450E FS401E FS451E FS403E FS453E	B, C	I_{cn} [kA]	6			0.4	0.5	0.6	0.9	1.4	2.4
			10				0.4	0.5	0.7	0.9	1.3
			13					0.5	0.7	0.9	1.2
			16						0.7	0.9	1.2
			20							0.9	1.2
			25							0.9	1.2
			32							0.7	1
		6	40							0.7	1
			50								0.9
			63								0.9

		Upstream		S800S							
	Char.			C							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400E S450E FS401E FS451E FS403E FS453E	B, C	I_{cn} [kA]	6		0.4	0.5	0.6	0.9	1.3	2.2	4.4
			10		0.3	0.4	0.5	0.6	0.8	1.2	1.8
			13		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			16		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			20			0.4	0.5	0.6	0.8	1.1	1.6
			25			0.4	0.5	0.6	0.8	1.1	1.6
			32				0.4	0.5	0.7	0.9	1.3
		6	40					0.5	0.7	0.9	1.3
			50						0.7	0.9	1.2
			63							0.8	1.1

		Upstream		S800S							
	Char.			D, K							
Down-stream		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400E S450E FS401E FS451E FS403E FS453E	B, C	I_{cn} [kA]	6	0.5	0.9	1.1	1.8	2.5	T	T	T
			10	0.4	0.5	0.8	1	1.3	2.5	3.5	T
			13	0.4	0.5	0.8	1	1.3	2.3	3	5.1
			16		0.5	0.8	1	1.3	2.3	3	5.1
			20			0.7	1	1.2	2.1	2.7	4.3
			25			0.7	1	1.2	2.1	2.7	4.3
			32				0.9	1	1.7	2.2	3.4
		6	40					1	1.7	2.2	3.4
			50						1.4	1.7	2.1
			63							1.6	2.1

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800S – S400M/S450M/FS401M/FS403M

S800S – S400 M @ 230/400 V

Down-stream	Char.	Upstream		S800S							
				B							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	B	I_{cn} [kA]	6			0.4	0.5	0.6	0.9	1.4	2.4
		10	10				0.4	0.5	0.7	0.9	1.3
			13					0.5	0.7	0.9	1.2
			16						0.7	0.9	1.2
			20							0.9	1.2
			25							0.9	1.2
			32							0.7	1
			40							0.7	1
			50								0.9
			63								0.9

Down-stream	Char.	Upstream		S800S							
				B							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	C	50	0.5	T	T	T	T	T	T	T	T
			1	3	T	T	T	T	T	T	T
			1.6	1	1	T	T	T	T	T	T
			2	0	1	1.2	T	T	T	T	T
		25	3		0	0.6	0.7	1	2.4	T	T
			4		0	0.5	0.6	0.9	1.5	2.8	T
			6			0.4	0.5	0.6	0.9	1.4	2.4
			8				0.4	0.5	0.7	0.9	1.3
			10				0.4	0.5	0.7	0.9	1.3
			13					0.5	0.7	0.9	1.2
			16						0.7	0.9	1.2
			20							0.9	1.2
		15	25							0.9	1.2
			32							0.7	1
			40							0.7	1
			50								0.9
			63								0.9

Down-stream	Char.	Upstream		S800S							
				B							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	D	I_{cn} [kA]	6				0.5	0.7	1.1	1.8	3.3
		10	8					0.6	0.9	1.2	1.8
			10						0.9	1.2	1.8
			13							1	1.4
			16								1.4
			20								
			25								
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream		S800S							
				B							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	K	50	0.5	T	T	T	T	T	T	T	T
			1	1	5	T	T	T	T	T	T
			1.6	0	1	2.1	T	T	T	T	T
			2	0	1	0.7	2.1	T	T	T	T
		25	3		0	0.4	0.7	1.1	2.3	7.8	T
			4		0	0.4	0.6	0.9	1.5	2.8	7
			6				0.5	0.7	1.1	1.8	3.3
			8					0.6	0.9	1.2	1.8
			10						0.9	1.2	1.8
			13							1	1.4
			16								1.4
			20								
		10	25								
			32								
			40								
			50								
			63								

S800S – S400 M @ 230/400 V

Down-stream	Char.	Upstream		S800S							
				C							
		I_{cu} [kA]		50							
			In [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	B	I_{cn} [kA]	6		0.4	0.5	0.6	0.9	1.3	2.2	4.4
		10	10		0.3	0.4	0.5	0.6	0.8	1.2	1.8
			13		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			16		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			20			0.4	0.5	0.6	0.8	1.1	1.6
			25			0.4	0.5	0.6	0.8	1.1	1.6
			32				0.4	0.5	0.7	0.9	1.3
			40					0.5	0.7	0.9	1.3
			50						0.7	0.9	1.2
			63							0.8	1.1

Down-stream	Char.	Upstream		S800S							
				C							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	C	50	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	1	T	T	T	T	T	T	T
			2	0	0.9	T	T	T	T	T	T
		25	3	0	0.4	0.7	1.1	1.9	5.8	T	T
			4	0	0.4	0.6	0.9	1.3	2.4	5.5	T
			6		0.4	0.5	0.6	0.9	1.3	2.2	4.4
			8		0.3	0.4	0.5	0.6	0.8	1.2	1.8
			10		0.3	0.4	0.5	0.6	0.8	1.2	1.8
			13		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			16		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			20			0.4	0.5	0.6	0.8	1.1	1.6
		15	25			0.4	0.5	0.6	0.8	1.1	1.6
			32				0.4	0.5	0.7	0.9	1.3
			40					0.5	0.7	0.9	1.3
			50						0.7	0.9	1.2
			63							0.8	1.1

Down-stream	Char.	Upstream		S800S							
				C							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	D	I_{cn} [kA]	6		0.4	0.5	0.7	1	1.6	2.9	5.8
		10	8			0.5	0.6	0.8	1.1	1.6	2.5
			10				0.6	0.8	1.1	1.6	2.5
			13					0.7	0.9	1.3	1.8
			16						0.9	1.3	1.8
			20							0.9	1.3
			25								1.3
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream		S800S							
				C							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	K	50	0.5	T	T	T	T	T	T	T	T
			1	2	T	T	T	T	T	T	T
			1.6	1	2.1	T	T	T	T	T	T
			2	0	0.7	2.1	T	T	T	T	T
		25	3	0	0.4	0.7	1.1	2	5.8	T	T
			4	0	0.4	0.6	0.9	1.3	2.4	5.6	T
			6		0.4	0.5	0.7	1	1.6	2.9	5.8
			8			0.5	0.6	0.8	1.1	1.6	2.5
			10				0.6	0.8	1.1	1.6	2.5
			13					0.7	0.9	1.3	1.8
			16						0.9	1.3	1.8
			20							0.9	1.3
		10	25								1.3
			32								
			40								
			50								
			63								

T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
S800S – S400M/S450M/FS401M/FS403M

S800S – S400 M @ 230/400 V

Down-stream	Char.	Upstream		S800S							
				D, K							
		I_{cu} [kA]		50							
			In [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	B	I_{cn} [kA]	6	0.5	0.9	1.1	1.8	2.5	9	T	T
		10	10	0.4	0.5	0.8	1	1.3	2.5	3.5	6.7
			13	0.4	0.5	0.8	1	1.3	2.3	3	5.1
			16		0.5	0.8	1	1.3	2.3	3	5.1
			20			0.7	1	1.2	2.1	2.7	4.3
			25			0.7	1	1.2	2.1	2.7	4.3
			32				0.9	1	1.7	2.2	3.4
			40					1	1.7	2.2	3.4
			50						1.4	1.7	2.1
			63							1.6	2.1

Down-stream	Char.	Upstream		S800S							
				D, K							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	C	50	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
		25	3	0.7	2	4	T	T	T	T	T
			4	0.6	1.2	2	4	7	T	T	T
			6	0.5	0.9	1.1	1.8	2.5	9	T	T
			8	0.4	0.5	0.8	1	1.3	2.5	3.5	6.7
			10	0.4	0.5	0.8	1	1.3	2.5	3.5	6.7
			13	0.4	0.5	0.8	1	1.3	2.3	3	5.1
			16		0.5	0.8	1	1.3	2.3	3	5.1
			20			0.7	1	1.2	2.1	2.7	4.3
		15	25			0.7	1	1.2	2.1	2.7	4.3
			32				0.9	1	1.7	2.2	3.4
			40					1	1.7	2.2	3.4
			50						1.4	1.7	2.1
			63							1.6	2.1

Down-stream	Char.	Upstream		S800S							
				D, K							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	D	I_{cn} [kA]	6	0.5	0.8	1.4	2.3	3.3	T	T	T
		10	8	0.5	0.6	1	1.4	1.8	3.6	5	9
			10	0.5	0.6	1	1.4	1.8	3.6	5	9
			13		0.5	0.8	1.1	1.4	2.4	3.1	4.7
			16			0.8	1.1	1.4	2.4	3.1	4.7
			20				0.8	1	1.6	2	2.9
			25					1	1.6	2	2.9
			32						1.5	1.8	2.6
			40							1.7	2.4
			50								2
			63								

Down-stream	Char.	Upstream		S800S							
				D, K							
		I_{cu} [kA]		50							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	K	50	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.1	T	T	T	T	T	T	T
		25	3	0.7	1.2	4	T	T	T	T	T
			4	0.6	0.9	2	4	7	T	T	T
			6	0.5	0.8	1.4	2.3	3.3	T	T	T
			8	0.5	0.6	1	1.4	1.8	3.6	5	T
			10	0.5	0.6	1	1.4	1.8	3.6	5	T
			13		0.5	0.8	1.1	1.4	2.4	3.1	4.7
			16			0.8	1.1	1.4	2.4	3.1	4.7
			20				0.8	1	1.6	2	2.9
		10	25					1	1.6	2	2.9
			32						1.5	1.8	2.6
			40							1.7	2.4
			50								2
			63								

T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
S800N – S200

S800N – S200 @ 230/400 V

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N B 36 25	32	40	50	63	80	100	125
S200	B	10	6			0.4	0.5	0.7	1	1.5	2.6
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
			32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N B 36 25	32	40	50	63	80	100	125
S200	C	10	0.5	T	T	T	T	T	T	T	T
			1	3.3	T	T	T	T	T	T	T
			1.6	0.6	1.3	T	T	T	T	T	T
			2	0.4	0.7	1.2	T	T	T	T	T
			3		0.4	0.6	0.7	1.1	2.6	T	T
			4		0.4	0.6	0.7	1	1.7	3.1	T
			6			0.4	0.5	0.7	1	1.5	2.6
			8				0.4	0.6	0.7	1	1.4
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
			32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N B 36 25	32	40	50	63	80	100	125
S200	D	10	0.5	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	T	T
			4		0.4	0.4	0.7	1	1.7	3	T
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N B 36 25	32	40	50	63	80	100	125
S200	K	10	0.5	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	T	T
			4		0.4	0.4	0.7	1	1.7	3	T
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
			32								
			40								
			50								
			63								

S800N – S200 @ 230/400 V

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N C 36 25	32	40	50	63	80	100	125
S200	B	10	6		0.4	0.5	0.7	0.9	1.4	2.4	4.8
			10		0.3	0.4	0.5	0.7	0.9	1.3	2
			13		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			16		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			20			0.4	0.5	0.7	0.9	1.2	1.8
			25			0.4	0.5	0.7	0.9	1.2	1.8
			32				0.5	0.6	0.8	1	1.4
			40					0.6	0.8	1	1.4
			50						0.7	0.9	1.3
			63							0.9	1.2

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N C 36 25	32	40	50	63	80	100	125
S200	C	10	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	0.6	T	T	T	T	T	T	T
			2	0.5	1	T	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.1	T	T	T
			4	0.3	0.4	0.7	1	1.5	2.6	T	T
			6		0.4	0.5	0.7	0.9	1.4	2.4	4.8
			8		0.3	0.4	0.5	0.7	0.9	1.3	2
			10		0.3	0.4	0.5	0.7	0.9	1.3	2
			13		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			16		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			20			0.4	0.5	0.7	0.9	1.2	1.8
			25			0.4	0.5	0.7	0.9	1.2	1.8
			32				0.5	0.6	0.8	1	1.4
			40					0.6	0.8	1	1.4
			50						0.7	0.9	1.3
			63							0.9	1.2

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N C 36 25	32	40	50	63	80	100	125
S200	D	10	0.5	T	T	T	T	T	T	T	T
			1	2.1	T	T	T	T	T	T	T
			1.6	0.8	2.3	T	T	T	T	T	T
			2	0.4	0.7	2.3	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.2	T	T	T
			4	0.3	0.4	0.7	1	1.4	2.6	T	T
			6		0.4	0.6	0.8	1.1	1.8	3.2	T
			8			0.5	0.7	0.9	1.2	1.8	2.8
			10				0.7	0.9	1.2	1.8	2.8
			13					0.7	1	1.4	2
			16						1	1.4	2
			20							1	1.4
			25								1.4
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N C 36 25	32	40	50	63	80	100	125
S200	K	10	0.5	T	T	T	T	T	T	T	T
			1	2.1	T	T	T	T	T	T	T
			1.6	0.8	2.3	T	T	T	T	T	T
			2	0.4	0.7	2.3	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.2	T	T	T
			4	0.3	0.4	0.7	1	1.4	2.6	T	T
			6		0.4	0.6	0.8	1.1	1.8	3.2	T
			8			0.5	0.7	0.9	1.2	1.8	2.8
			10				0.7	0.9	1.2	1.8	2.8
			13					0.7	1	1.4	2
			16						1	1.4	2
			20							1	1.4
			25								1.4
			32								
			40								
			50								
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800N – S200

S800N – S200 @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800N D 36							
				25	32	40	50	63	80	100	125
S200	B	10	6	0.5	1	1.2	2	2.8	T	T	T
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	T
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
			32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800N D 36							
				25	32	40	50	63	80	100	125
S200	C	10	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
			3	0.7	2.2	4.4	T	T	T	T	T
			4	0.7	1.3	2.2	4.4	T	T	T	T
			6	0.5	1	1.2	2	2.8	T	T	T
			8	0.4	0.6	0.8	1.1	1.4	2.8	3.9	T
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	T
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
			32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800N D 36							
				25	32	40	50	63	80	100	125
S200	D	10	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	T	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	T	T	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	T
			10	0.5	0.7	1.1	1.5	2	4	5.5	T
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
			32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800N D 36							
				25	32	40	50	63	80	100	125
S200	K	10	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	T	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	T	T	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	T
			10	0.5	0.7	1.1	1.5	2	4	5.5	T
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
			32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800N – S200M

S800N – S200M @ 230/400 V

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N B 36 25	32	40	50	63	80	100	125
S200M	B	15	6			0.4	0.5	0.7	1	1.5	2.6
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
			32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N B 36 25	32	40	50	63	80	100	125
S200M	C	15	0.5	T	T	T	T	T	T	T	T
			1	3.3	T	T	T	T	T	T	T
			1.6	0.6	1.3	T	T	T	T	T	T
			2	0.4	0.7	1.3	T	T	T	T	T
			3		0.4	0.6	0.7	1.1	2.6	8.8	T
			4		0.4	0.6	0.7	1	1.7	3.1	7
			6			0.4	0.5	0.7	1	1.5	2.6
			8				0.4	0.6	0.7	1	1.4
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
			32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N B 36 25	32	40	50	63	80	100	125
S200M	D	15	0.5	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	8.6	T
			4		0.4	0.4	0.7	1	1.7	3	7.7
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N B 36 25	32	40	50	63	80	100	125
S200M	K	15	0.5	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	8.6	T
			4		0.4	0.4	0.7	1	1.7	3	7.7
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
			32								
			40								
			50								
			63								

S800N – S200M @ 230/400 V

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N C 36 25	32	40	50	63	80	100	125
S200M	B	15	6		0.4	0.5	0.7	0.9	1.4	2.4	4.8
			10		0.3	0.4	0.5	0.7	0.9	1.3	2
			13		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			16		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			20			0.4	0.5	0.7	0.9	1.2	1.8
			25			0.4	0.5	0.7	0.9	1.2	1.8
			32				0.5	0.6	0.8	1	1.4
			40					0.6	0.8	1	1.4
			50						0.7	0.9	1.3
			63							0.9	1.2

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N C 36 25	32	40	50	63	80	100	125
S200M	C	15	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	0.6	T	T	T	T	T	T	T
			2	0.5	1	T	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.1	6.4	T	T
			4	0.3	0.4	0.7	1	1.5	2.6	6.1	T
			6		0.4	0.5	0.7	0.9	1.4	2.4	4.8
			8		0.3	0.4	0.5	0.7	0.9	1.3	2
			10		0.3	0.4	0.5	0.7	0.9	1.3	2
			13		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			16		0.3	0.4	0.5	0.7	0.9	1.3	1.9
			20			0.4	0.5	0.7	0.9	1.2	1.8
			25			0.4	0.5	0.7	0.9	1.2	1.8
			32				0.5	0.6	0.8	1	1.4
			40					0.6	0.8	1	1.4
			50						0.7	0.9	1.3
			63							0.9	1.2

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N C 36 25	32	40	50	63	80	100	125
S200M	D	15	0.5	T	T	T	T	T	T	T	T
			1	2.1	T	T	T	T	T	T	T
			1.6	0.8	2.3	T	T	T	T	T	T
			2	0.4	0.7	2.3	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.2	6.4	T	T
			4	0.3	0.4	0.7	1	1.4	2.6	6.2	T
			6		0.4	0.6	0.8	1.1	1.8	3.2	6.4
			8			0.5	0.7	0.9	1.2	1.8	2.8
			10				0.7	0.9	1.2	1.8	2.8
			13					0.7	1	1.4	2
			16						1	1.4	2
			20							1	1.4
			25								1.4
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream Icu [kA]	In [A]	S800N C 36 25	32	40	50	63	80	100	125
S200M	K	15	0.5	T	T	T	T	T	T	T	T
			1	2.1	T	T	T	T	T	T	T
			1.6	0.8	2.3	T	T	T	T	T	T
			2	0.4	0.7	2.3	T	T	T	T	T
			3	0.3	0.5	0.7	1.2	2.2	6.4	T	T
			4	0.3	0.4	0.7	1	1.4	2.6	6.2	T
			6		0.4	0.6	0.8	1.1	1.8	3.2	6.4
			8			0.5	0.7	0.9	1.2	1.8	2.8
			10				0.7	0.9	1.2	1.8	2.8
			13					0.7	1	1.4	2
			16						1	1.4	2
			20							1	1.4
			25								1.4
			32								
			40								
			50								
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800N – S200M

S800N – S200M @ 230/400 V

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800N D 36							
				25	32	40	50	63	80	100	125
S200M	B	15	6	0.5	1	1.2	2	2.8	T	T	T
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
			32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800N D 36							
				25	32	40	50	63	80	100	125
S200M	C	15	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
			3	0.7	2.2	4.4	T	T	T	T	T
			4	0.7	1.3	2.2	4.4	7.7	T	T	T
			6	0.5	1	1.2	2	2.8	T	T	T
			8	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
			32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800N D 36							
				25	32	40	50	63	80	100	125
S200M	D	15	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	7.7	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	T	T	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	T
			10	0.5	0.7	1.1	1.5	2	4	5.5	T
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
			32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

Down-stream	Char.	Upstream I_{cu} [kA]	I_n [A]	S800N D 36							
				25	32	40	50	63	80	100	125
S200M	K	15	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	7.7	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	T	T	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	T
			10	0.5	0.7	1.1	1.5	2	4	5.5	T
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
			32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800N – S200P

S800N – S200P @ 230/400 V

Down-stream	Char.	Upstream		S800N							
				B							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	B	25	6			0.4	0.5	0.7	1	1.5	2.6
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
		15	32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream		S800N							
				C							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	B	25	6			0.4	0.5	0.7	1	1.5	2.6
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
		15	32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream		S800N							
				B							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	C	25	0.5	T	T	T	T	T	T	T	T
			1	3.3	T	T	T	T	T	T	T
			1.6	0.6	1.3	T	T	T	T	T	T
			2	0.4	0.7	1.3	T	T	T	T	T
			3		0.4	0.6	0.7	1.1	2.6	8.8	T
			4		0.4	0.6	0.7	1	1.7	3.1	7
			6			0.4	0.5	0.7	1	1.5	2.6
			8				0.4	0.6	0.7	1	1.4
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
		15	32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream		S800N							
				C							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	C	25	0.5	T	T	T	T	T	T	T	T
			1	3.3	T	T	T	T	T	T	T
			1.6	0.6	1.3	T	T	T	T	T	T
			2	0.4	0.7	1.3	T	T	T	T	T
			3		0.4	0.6	0.7	1.1	2.6	8.8	T
			4		0.4	0.6	0.7	1	1.7	3.1	7
			6			0.4	0.5	0.7	1	1.5	2.6
			8				0.4	0.6	0.7	1	1.4
			10				0.4	0.6	0.7	1	1.4
			13					0.5	0.7	0.9	1.3
			16						0.7	0.9	1.3
			20							0.9	1.3
			25							0.9	1.3
		15	32							0.8	1.1
			40							0.8	1.1
			50								1
			63								0.9

Down-stream	Char.	Upstream		S800N							
				B							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	K	25	0.2	T	T	T	T	T	T	T	T
			0.3	T	T	T	T	T	T	T	T
			0.5	T	T	T	T	T	T	T	T
			0.75	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.1	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	8.6	T
			4		0.4	0.4	0.7	1	1.7	3	7.7
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
		15	32								
			40								
			50								
			63								

Down-stream	Char.	Upstream		S800N							
				C							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	K	25	0.2	T	T	T	T	T	T	T	T
			0.3	T	T	T	T	T	T	T	T
			0.5	T	T	T	T	T	T	T	T
			0.75	T	T	T	T	T	T	T	T
			1	0.8	5	T	T	T	T	T	T
			1.6	0.5	1	2.3	T	T	T	T	T
			2	0.3	0.5	0.7	2.3	T	T	T	T
			3		0.4	0.5	0.7	1.2	2.5	8.6	T
			4		0.4	0.4	0.7	1	1.7	3	7.7
			6				0.6	0.8	1.2	2	3.6
			8					0.7	0.9	1.3	2
			10						0.9	1.3	2
			13							1	1.5
			16								1.5
			20								
			25								
		15	32								
			40								
			50								
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800N – S200P

S800N – S200P @ 230/400 V

		Upstream		S800N							
				D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	B	25	6	0.5	1	1.2	2	2.8	9.9	21.3	T
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
		15	32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

		Upstream		S800N							
				D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	C	25	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
			3	0.7	2.2	4.4	T	T	T	T	T
			4	0.7	1.3	2.2	4.4	7.7	T	T	T
			6	0.5	1	1.2	2	2.8	9.9	22	T
			8	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			10	0.4	0.6	0.8	1.1	1.4	2.8	3.9	7.4
			13	0.4	0.6	0.8	1.1	1.4	2.5	3.3	5.6
			16		0.6	0.8	1.1	1.4	2.5	3.3	5.6
			20			0.8	1.1	1.3	2.3	3	4.7
			25			0.8	1.1	1.3	2.3	3	4.7
		15	32				0.9	1.1	1.9	2.4	3.7
			40					1.1	1.9	2.4	3.7
			50						1.5	1.9	2.3
			63							1.7	2.3

		Upstream		S800N							
				D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S200P	K	25	0.2	T	T	T	T	T	T	T	T
			0.3	T	T	T	T	T	T	T	T
			0.5	T	T	T	T	T	T	T	T
			0.75	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.3	T	T	T	T	T	T	T
			3	0.7	1.3	4.4	T	T	T	T	T
			4	0.7	1	2.2	4.4	7.7	T	T	T
			6	0.6	0.8	1.5	2.5	3.6	12	24.2	T
			8	0.5	0.7	1.1	1.5	2	4	5.5	9.9
			10	0.5	0.7	1.1	1.5	2	4	5.5	9.9
			13		0.6	0.9	1.2	1.5	2.6	3.4	5.2
			16			0.9	1.2	1.5	2.6	3.4	5.2
			20				0.9	1.1	1.8	2.2	3.2
			25					1.1	1.8	2.2	3.2
		15	32						1.7	2	2.9
			40							1.9	2.6
			50								2.2
			63								

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800N – S400E/S450E

S800N – S400E/S450E @ 230/400 V

		Upstream		S800N							
				B							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400E S450E FS401E FS451E	B, C	I_{cn} [kA]	6			0.4	0.5	0.6	0.9	1.4	2.4
			10				0.4	0.5	0.7	0.9	1.3
			13					0.5	0.7	0.9	1.2
			16						0.7	0.9	1.2
			20							0.9	1.2
			25							0.9	1.2
			32							0.7	1
		6	40							0.7	1
			50								0.9
			63								0.9

		Upstream		S800N							
				C							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400E S450E FS401E FS451E	B, C	I_{cn} [kA]	6		0.4	0.5	0.6	0.9	1.3	2.2	4.4
			10		0.3	0.4	0.5	0.6	0.8	1.2	1.8
			13		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			16		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			20			0.4	0.5	0.6	0.8	1.1	1.6
			25			0.4	0.5	0.6	0.8	1.1	1.6
			32				0.4	0.5	0.7	0.9	1.3
		6	40					0.5	0.7	0.9	1.3
			50						0.7	0.9	1.2
			63							0.8	1.1

		Upstream		S800N							
				D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400E S450E FS401E FS451E	B, C	I_{cn} [kA]	6	0.5	0.9	1.1	1.8	2.5	T	T	T
			10	0.4	0.5	0.8	1	1.3	2.5	3.5	T
			13	0.4	0.5	0.8	1	1.3	2.3	3	5.1
			16		0.5	0.8	1	1.3	2.3	3	5.1
			20			0.7	1	1.2	2.1	2.7	4.3
			25			0.7	1	1.2	2.1	2.7	4.3
			32				0.9	1	1.7	2.2	3.4
		6	40					1	1.7	2.2	3.4
			50						1.4	1.7	2.1
			63							1.6	2.1

T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
S800N – S400M/S450M/FS401M/FS403M

S800N – S400M @ 230/400 V

Down-stream	Char.	Upstream		S800N							
				B							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	B	I_{cn} [kA]	6			0.4	0.5	0.6	0.9	1.4	2.4
		10	10				0.4	0.5	0.7	0.9	1.3
			13					0.5	0.7	0.9	1.2
			16						0.7	0.9	1.2
			20							0.9	1.2
			25							0.9	1.2
			32							0.7	1
			40							0.7	1
			50								0.9
			63								0.9

Down-stream	Char.	Upstream		S800N							
				B							
		I_{cn} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	C	50	0.5	T	T	T	T	T	T	T	T
			1	3	T	T	T	T	T	T	T
			1.6	1	1	T	T	T	T	T	T
			2	0	1	1.2	T	T	T	T	T
		25	3		0	0.6	0.7	1	2.4	T	T
			4		0	0.5	0.6	0.9	1.5	2.8	T
			6			0.4	0.5	0.6	0.9	1.4	2.4
			8				0.4	0.5	0.7	0.9	1.3
			10				0.4	0.5	0.7	0.9	1.3
			13					0.5	0.7	0.9	1.2
			16						0.7	0.9	1.2
			20							0.9	1.2
		15	25							0.9	1.2
			32							0.7	1
			40							0.7	1
			50								0.9
			63								0.9

Down-stream	Char.	Upstream		S800N							
				B							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	D	I_{cn} [kA]	6				0.5	0.7	1.1	1.8	3.3
		10	8					0.6	0.9	1.2	1.8
			10						0.9	1.2	1.8
			13							1	1.4
			16								1.4
			20								
			25								
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream		S800N							
				B							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	K	50	0.5	T	T	T	T	T	T	T	T
			1	1	5	T	T	T	T	T	T
			1.6	0	1	2.1	T	T	T	T	T
			2	0	1	0.7	2.1	T	T	T	T
		25	3		0	0.4	0.7	1.1	2.3	7.8	T
			4		0	0.4	0.6	0.9	1.5	2.8	7
			6				0.5	0.7	1.1	1.8	3.3
			8					0.6	0.9	1.2	1.8
			10						0.9	1.2	1.8
			13							1	1.4
			16								1.4
			20								
		10	25								
			32								
			40								
			50								
			63								

S800N – S400M @ 230/400 V

Down-stream	Char.	Upstream		S800N							
				C							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	B	I_{cn} [kA]	6		0.4	0.5	0.6	0.9	1.3	2.2	4.4
		10	10		0.3	0.4	0.5	0.6	0.8	1.2	1.8
			13		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			16		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			20			0.4	0.5	0.6	0.8	1.1	1.6
			25			0.4	0.5	0.6	0.8	1.1	1.6
			32				0.4	0.5	0.7	0.9	1.3
			40					0.5	0.7	0.9	1.3
			50						0.7	0.9	1.2
			63							0.8	1.1

Down-stream	Char.	Upstream		S800N							
				C							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	C	50	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	1	T	T	T	T	T	T	T
			2	0	0.9	T	T	T	T	T	T
		25	3	0	0.4	0.7	1.1	1.9	5.8	T	T
			4	0	0.4	0.6	0.9	1.3	2.4	5.5	T
			6		0.4	0.5	0.6	0.9	1.3	2.2	4.4
			8		0.3	0.4	0.5	0.6	0.8	1.2	1.8
			10		0.3	0.4	0.5	0.6	0.8	1.2	1.8
			13		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			16		0.3	0.4	0.5	0.6	0.8	1.2	1.7
			20			0.4	0.5	0.6	0.8	1.1	1.6
		15	25			0.4	0.5	0.6	0.8	1.1	1.6
			32				0.4	0.5	0.7	0.9	1.3
			40					0.5	0.7	0.9	1.3
			50						0.7	0.9	1.2
			63							0.8	1.1

Down-stream	Char.	Upstream		S800N							
				C							
		I_{cn} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	D	I_{cn} [kA]	6		0.4	0.5	0.7	1	1.6	2.9	5.8
		10	8			0.5	0.6	0.8	1.1	1.6	2.5
			10				0.6	0.8	1.1	1.6	2.5
			13					0.7	0.9	1.3	1.8
			16						0.9	1.3	1.8
			20							0.9	1.3
			25								1.3
			32								
			40								
			50								
			63								

Down-stream	Char.	Upstream		S800N							
				C							
		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	K	50	0.5	T	T	T	T	T	T	T	T
			1	2	T	T	T	T	T	T	T
			1.6	1	2.1	T	T	T	T	T	T
			2	0	0.7	2.1	T	T	T	T	T
		25	3	0	0.4	0.7	1.1	2	5.8	T	T
			4	0	0.4	0.6	0.9	1.3	2.4	5.6	T
			6		0.4	0.5	0.7	1	1.6	2.9	5.8
			8			0.5	0.6	0.8	1.1	1.6	2.5
			10				0.6	0.8	1.1	1.6	2.5
			13					0.7	0.9	1.3	1.8
			16						0.9	1.3	1.8
			20							0.9	1.3
		10	25								1.3
			32								
			40								
			50								
			63								

T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
S800N – S400M/S450M/FS401M

S800N – S400M @ 230/400 V

		Upstream		S800N							
	Char.			D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	B	I_{cn} [kA]	6	0.5	0.9	1.1	1.8	2.5	9	T	T
		10	10	0.4	0.5	0.8	1	1.3	2.5	3.5	6.7
			13	0.4	0.5	0.8	1	1.3	2.3	3	5.1
			16		0.5	0.8	1	1.3	2.3	3	5.1
			20			0.7	1	1.2	2.1	2.7	4.3
			25			0.7	1	1.2	2.1	2.7	4.3
			32				0.9	1	1.7	2.2	3.4
			40					1	1.7	2.2	3.4
			50						1.4	1.7	2.1
			63							1.6	2.1

		Upstream		S800N							
	Char.			D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	36	63	80	100	125
S400M S450M FS401M FS451M FS403M FS453M	C	50	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	T	T	T	T	T	T	T	T
		25	3	0.7	2	4	T	T	T	T	T
			4	0.6	1.2	2	4	7	T	T	T
			6	0.5	0.9	1.1	1.8	2.5	9	T	T
			8	0.4	0.5	0.8	1	1.3	2.5	3.5	6.7
			10	0.4	0.5	0.8	1	1.3	2.5	3.5	6.7
			13	0.4	0.5	0.8	1	1.3	2.3	3	5.1
			16		0.5	0.8	1	1.3	2.3	3	5.1
			20			0.7	1	1.2	2.1	2.7	4.3
		15	25			0.7	1	1.2	2.1	2.7	4.3
			32				0.9	1	1.7	2.2	3.4
			40					1	1.7	2.2	3.4
			50						1.4	1.7	2.1
			63							1.6	2.1

		Upstream		S800N							
	Char.			D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	D	I_{cn} [kA]	6	0.5	0.8	1.4	2.3	3.3	T	T	T
		10	8	0.5	0.6	1	1.4	1.8	3.6	5	9
			10	0.5	0.6	1	1.4	1.8	3.6	5	9
			13		0.5	0.8	1.1	1.4	2.4	3.1	4.7
			16			0.8	1.1	1.4	2.4	3.1	4.7
			20				0.8	1	1.6	2	2.9
			25					1	1.6	2	2.9
			32						1.5	1.8	2.6
			40							1.7	2.4
			50								2
			63								

		Upstream		S800N							
	Char.			D							
Down-stream		I_{cu} [kA]		36							
			I_n [A]	25	32	40	50	63	80	100	125
S400M S450M	K	50	0.5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1.6	T	T	T	T	T	T	T	T
			2	2.1	T	T	T	T	T	T	T
		25	3	0.7	1.2	4	T	T	T	T	T
			4	0.6	0.9	2	4	7	T	T	T
			6	0.5	0.8	1.4	2.3	3.3	T	T	T
			8	0.5	0.6	1	1.4	1.8	3.6	5	T
			10	0.5	0.6	1	1.4	1.8	3.6	5	T
			13		0.5	0.8	1.1	1.4	2.4	3.1	4.7
			16			0.8	1.1	1.4	2.4	3.1	4.7
			20				0.8	1	1.6	2	2.9
		10	25					1	1.6	2	2.9
			32						1.5	1.8	2.6
			40							1.7	2.4
			50								2
			63								

T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
Tmax – S800S

Tmax T1 – S800S @ 400/415 V

		Upstream		T1										
			A.	B, C, N										
			Trigger	TM										
			I_u [A]	160										
Downstream	Char.	I_{cu} [kA]	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S800S	B, C, D, K	50	10			4.5	4.5	4.5	4.5	8	10	20*	25*	36*
			13				4.5	4.5	4.5	7.5	10	15	25*	36*
			16					4.5	4.5	7.5	10	15	25*	36*
			20						4.5	7.5	10	15	25*	36*
			25							6	10	15	20*	36*
			32								7.5	10	20*	36*
			40									10	20*	36*
			50										15	36*
			63											36*
			80											36*
			100											36*
			125											

Tmax T3 – S800S @ 400/415 V

		Upstream		T3						
			A.	N, S						
			Trigger	TM						
			I_u [A]	250						
Downstream	Char.	I_{cu} [kA]	I_n [A]	63	80	100	125	160	200	250
S800S	B, C, D, K	50	10	8	10	20	25	36	36	50*
			13	7.5	10	15	25	36	36	50*
			16	7.5	10	15	25	36	36	50*
			20	7.5	10	15	25	36	36	50*
			25	6	10	15	20	36	36	50*
			32		7.5	10	20	36	36	50*
			40			10	20	36	36	50*
			50				15	36	36	50*
			63					36	36	50*
			80						36	50*
			100							50*
			125							50*

* The value must be limited to the ultimate short-circuit breaking capacity I_{cu} of the circuit breaker at the incoming side.
A. = Type
Selectivity limit values indicated in kA

Selectivity
Tmax – S800S

Tmax T4 – S800S @ 400/415V

		Upstream		T4												
			A.	N, S												
			Trigger	TMD									PR			
			I_u [A]	250									250			320
Downstream	Char.	I_{cu} [kA]	I_n [A]	20	32	50	80	100	125	160	200	250	100	160	250	320
S800S	B	50	10	6.5	6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			13	6.5	6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			16	6.5	6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			20		6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			25			6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			32			6.5	8.0	50*	50*	50*	50*	50*	50*	50*	50*	50*
			40				6.5	50*	50*	50*	50*	50*	50*	50*	50*	50*
			50					7.5	50*	50*	50*	50*	50*	50*	50*	50*
			63						7.0	50*	50*	50*	50*	50*	50*	50*
			80							50*	50*	50*	50*	50*	50*	50*
			100								50*	50*	50*	50*	50*	50*
			125									50*	50*	50*	50*	50*

Tmax T4 – S800S @ 400/415V

		Upstream		T4												
			A.	N, S												
			Trigger	TMD									PR			
			I_u [A]	250									250			320
Downstream	Char.	I_{cu} [kA]	I_n [A]	20	32	50	80	100	125	160	200	250	100	160	250	320
S800S	C	50	10	6.5	6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			13	6.5	6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			16		6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			20		6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			25			6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			32			6.5	8.0	50*	50*	50*	50*	50*	50*	50*	50*	50*
			40				6.5	50*	50*	50*	50*	50*	50*	50*	50*	50*
			50					7.5	50*	50*	50*	50*	50*	50*	50*	50*
			63						7.0	50*	50*	50*	50*	50*	50*	50*
			80							6.5	50*	50*	50*	50*	50*	50*
			100								6.5	50*	50*	50*	50*	50*
			125									6.5	50*	50*	50*	50*

Tmax T4 – S800S @ 400/415V

		Upstream		T4												
			A.	N, S												
			Trigger	TMD									PR			
			I_u [A]	250									250			320
Downstream	Char.	I_{cu} [kA]	I_n [A]	20	32	50	80	100	125	160	200	250	100	160	250	320
S800S	D	50	10	6.5	6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			13			6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			16			6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			20				11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			25				11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			32					50*	50*	50*	50*	50*	50*	50*	50*	50*
			40					50*	50*	50*	50*	50*	50*	50*	50*	50*
			50						50*	50*	50*	50*	50*	50*	50*	50*
			63							50*	50*	50*	50*	50*	50*	50*
			80								50*	50*	50*	50*	50*	50*
			100									50*	50*	50*	50*	50*
			125										50*	50*	50*	50*

Tmax T4 – S800S @ 400/415V

		Upstream		T4												
			A.	N, S												
			Trigger	TMD									PR			
			I_u [A]	250									250			320
Downstream	Char.	I_{cu} [kA]	I_n [A]	20	32	50	80	100	125	160	200	250	100	160	250	320
S800S	K	50	10	6.5	6.5	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			13		5.0	6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			16			6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			20			6.5	11	50*	50*	50*	50*	50*	50*	50*	50*	50*
			25					50*	50*	50*	50*	50*	50*	50*	50*	50*
			32						50*	50*	50*	50*	50*	50*	50*	50*
			40							50*	50*	50*	50*	50*	50*	50*
			50								50*	50*	50*	50*	50*	50*
			63									50*	50*	50*	50*	50*
			80										50*	50*	50*	50*
			100										50*	50*	50*	50*
			125										50*	50*	50*	50*

* The value must be limited to the ultimate short-circuit breaking capacity I_{cu} of the circuit breaker at the incoming side.
A. = Type
Selectivity limit values indicated in kA

Selectivity
Tmax – S800S

Tmax T5 – S800S @ 400/415 V

		Upstream		T5					
			A.	N, S, H, L, V					
			Trigger	TMD			PR		
			I_u [A]	400		630	400		630
Downstream	Char.	I_{cu} [kA]	I_n [A]	320	400	500	320	400	630
S800S	B,C,D,K	50	10	50*	50*	50*	50*	50*	50*
			13	50*	50*	50*	50*	50*	50*
			16	50*	50*	50*	50*	50*	50*
			20	50*	50*	50*	50*	50*	50*
			25	50*	50*	50*	50*	50*	50*
			32	50*	50*	50*	50*	50*	50*
			40	50*	50*	50*	50*	50*	50*
			50	50*	50*	50*	50*	50*	50*
			63	50*	50*	50*	50*	50*	50*
			80	50*	50*	50*	50*	50*	50*
			100	50*	50*	50*	50*	50*	50*
			125	50*	50*	50*	50*	50*	50*

Tmax T6 – S800S @ 400/415 V

		Upstream		T6				
			A.	N, S, H, L				
			Trigger	TMD			PR	
			I_u [A]	630	800	630	800	1000
Downstream	Char.	I_{cu} [kA]	I_n [A]	630	800	630	800	1000
S800S	B,C,D,K	50	10	50*	50*	50*	50*	50*
			13	50*	50*	50*	50*	50*
			16	50*	50*	50*	50*	50*
			20	50*	50*	50*	50*	50*
			25	50*	50*	50*	50*	50*
			32	50*	50*	50*	50*	50*
			40	50*	50*	50*	50*	50*
			50	50*	50*	50*	50*	50*
			63	50*	50*	50*	50*	50*
			80	50*	50*	50*	50*	50*
			100	50*	50*	50*	50*	50*
			125	50*	50*	50*	50*	50*

Tmax T7 – S800S @ 400/415 V

		Upstream		T7											
			A.	S, H, L											
			Trigger	PR											
			I_u [A]	800			1000				1250				
Downstream	Char.	I_{cu} [kA]	I_n [A]	400	630	800	400	630	800	1000	400	630	800	1000	1250
S800S	B,C,D,K	50	10	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			13	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			16	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			20	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			25	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			32	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			40	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			50	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			63	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			80	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			100	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*
			125	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*	50*

* The value must be limited to the ultimate short-circuit breaking capacity I_{cu} of the circuit breaker at the incoming side.
A. = Type
Selectivity limit values indicated in kA

Selectivity
Tmax – S800N

Tmax T1 – S800N @ 400/415V

		Upstream		T1										
			A.	B, C, N										
			Trigger	TM										
			I_u [A]	160										
Downstream	Char.	I_{cu} [kA]	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S800N	B, C, D	36	10			4.5	4.5	4.5	4.5	8	10	20*	25*	36*
			13				4.5	4.5	4.5	7.5	10	15	25*	36*
			16					4.5	4.5	7.5	10	15	25*	36*
			20						4.5	7.5	10	15	25*	36*
			25							6	10	15	20*	36*
			32								7.5	10	20*	36*
			40									10	20*	36*
			50										15	36*
			63											36*
			80											36*
			100											36*
			125											

Tmax T3 – S800N @ 400/415V

		Upstream		T3						
			A.	N, S						
			Trigger	TM						
			I_u [A]	250						
Downstream	Char.	I_{cu} [kA]	I_n [A]	63	80	100	125	160	200	250
S800N	B, C, D	36	10	8	10	20	25	36	36	36
			13	7.5	10	15	25	36	36	36
			16	7.5	10	15	25	36	36	36
			20	7.5	10	15	25	36	36	36
			25	6	10	15	20	36	36	36
			32		7.5	10	20	36	36	36
			40			10	20	36	36	36
			50				15	36	36	36
			63					36	36	36
			80						36	36
			100							36
			125							36

Tmax T4 – S800N @ 400/415V

		Upstream		T4												
			A.	N, S												
			Trigger	TMD									PR			
			I_u [A]	250									250			320
Downstream	Char.	I_{cu} [kA]	I_n [A]	20	32	50	80	100	125	160	200	250	100	160	250	320
S800N	B	36	10	6.5	6.5	6.5	11	36	36	36	36	36	36	36	36	36
			13	6.5	6.5	6.5	11	36	36	36	36	36	36	36	36	36
			16	6.5	6.5	6.5	11	36	36	36	36	36	36	36	36	36
			20		6.5	6.5	11	36	36	36	36	36	36	36	36	36
			25			6.5	11	36	36	36	36	36	36	36	36	36
			32			6.5	8.0	36	36	36	36	36	36	36	36	36
			40				6.5	36	36	36	36	36	36	36	36	36
			50					7.5	36	36	36	36	36	36	36	36
			63						7.0	36	36	36	36	36	36	36
			80							36	36	36	36	36	36	36
			100								36	36	36	36	36	36
			125									36	36	36	36	36

Tmax T4 – S800N @ 400/415V

		Upstream		T4												
			A.	N, S												
			Trigger	TMD									PR			
			I_u [A]	250									250			320
Downstream	Char.	I_{cu} [kA]	I_n [A]	20	32	50	80	100	125	160	200	250	100	160	250	320
S800N	C	36	10	6.5	6.5	6.5	11	36	36	36	36	36	36	36	36	36
			13	6.5	6.5	6.5	11	36	36	36	36	36	36	36	36	36
			16		6.5	6.5	11	36	36	36	36	36	36	36	36	36
			20		6.5	6.5	11	36	36	36	36	36	36	36	36	36
			25			6.5	11	36	36	36	36	36	36	36	36	36
			32			6.5	8.0	36	36	36	36	36	36	36	36	36
			40				6.5	36	36	36	36	36	36	36	36	36
			50					7.5	36	36	36	36	36	36	36	36
			63						7.0	36	36	36	36	36	36	36
			80							6.5	36	36	36	36	36	36
			100								6.5	36	36	36	36	36
			125									6.5	36	36	36	36

* The value must be limited to the ultimate short-circuit breaking capacity I_{cu} of the circuit breaker at the incoming side.
A. = Type
T = Total selectivity up to breaking capacity of the switch on load side
Selectivity limit values indicated in kA

Selectivity
Tmax – S800N

Tmax T4 – S800N @ 400/415V

		Upstream		T4												
			A.	N, S												
			Trigger	TMD									PR			
			I_u [A]	250									250			320
Downstream	Char.	I_{cu} [kA]	I_n [A]	20	32	50	80	100	125	160	200	250	100	160	250	320
S800N	D	36	10	6.5	6.5	6.5	11	36	36	36	36	36	36	36	36	36
			13			6.5	11	36	36	36	36	36	36	36	36	36
			16			6.5	11	36	36	36	36	36	36	36	36	36
			20				11	36	36	36	36	36	36	36	36	36
			25				11	36	36	36	36	36	36	36	36	36
			32					36	36	36	36	36	36	36	36	36
			40					36	36	36	36	36	36	36	36	36
			50						36	36	36	36	36	36	36	36
			63							36	36	36	36	36	36	36
			80								36	36	36	36	36	36
			100									36	36	36	36	36
			125										36	36	36	36

Tmax T5 – S800N @ 400/415V

		Upstream		T5					
			A.	N, S, H, L, V					
			Trigger	TMD			PR		
			I_u [A]	400		630	400		630
Downstream	Char.	I_{cu} [kA]	I_n [A]	320	400	500	320	400	630
S800N	B,C,D	36	10	36	36	36	36	36	36
			13	36	36	36	36	36	36
			16	36	36	36	36	36	36
			20	36	36	36	36	36	36
			25	36	36	36	36	36	36
			32	36	36	36	36	36	36
			40	36	36	36	36	36	36
			50	36	36	36	36	36	36
			63	36	36	36	36	36	36
			80	36	36	36	36	36	36
			100	36	36	36	36	36	36
			125	36	36	36	36	36	36

Tmax T6 – S800N @ 400/415V

		Upstream		T6				
			A.	N, S, H, L				
			Trigger	TMD			PR	
			I_u [A]	630	800	630	800	1000
Downstream	Char.	I_{cu} [kA]	I_n [A]	630	800	630	800	1000
S800N	B,C,D	36	10	36	36	36	36	36
			13	36	36	36	36	36
			16	36	36	36	36	36
			20	36	36	36	36	36
			25	36	36	36	36	36
			32	36	36	36	36	36
			40	36	36	36	36	36
			50	36	36	36	36	36
			63	36	36	36	36	36
			80	36	36	36	36	36
			100	36	36	36	36	36
			125	36	36	36	36	36

Tmax T7 – S800N @ 400/415V

		Upstream		T7											
			A.	S, H, L											
			Trigger	PR											
			I_u [A]	800			1000				1250				
Downstream	Char.	I_{cu} [kA]	I_n [A]	400	630	800	400	630	800	1000	400	630	800	1000	1250
S800N	B,C,D	36	10	36	36	36	36	36	36	36	36	36	36	36	36
			13	36	36	36	36	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36	36	36	36	36
			20	36	36	36	36	36	36	36	36	36	36	36	36
			25	36	36	36	36	36	36	36	36	36	36	36	36
			32	36	36	36	36	36	36	36	36	36	36	36	36
			40	36	36	36	36	36	36	36	36	36	36	36	36
			50	36	36	36	36	36	36	36	36	36	36	36	36
			63	36	36	36	36	36	36	36	36	36	36	36	36
			80	36	36	36	36	36	36	36	36	36	36	36	36
			100	36	36	36	36	36	36	36	36	36	36	36	36
			125	36	36	36	36	36	36	36	36	36	36	36	36

* The value must be limited to the ultimate short-circuit breaking capacity I_{cu} of the circuit breaker at the incoming side.
A. = Type
Selectivity limit values indicated in kA

Selectivity
S800S – S400M

S800S – S400M @ 254/440 V

		Upstream		S800S							
	Char.			B							
Down-stream		I_{cu} [kA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	C	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.4	0.4	T	T	T	T	T	T
		10	3		0.3	0.5	0.7	1.1	T	T	T
			4		0.3	0.5	0.7	1	1.7	2.6	T
			6			0.5	0.6	0.7	1.1	1.4	2.1
			8				0.4	0.6	1.1	1	1.2
			10				0.4	0.6	0.8	1	1.2
		6	13					0.5	0.8	1	1.2
			16						0.8	0.9	1.2
			20							0.9	1.1
			25							0.9	1.1
			32							0.8	1
			40							0.8	1
			50								0.9
			63								0.9

S800S – S400M @ 254/440 V

		Upstream		S800S							
	Char.			C							
Down-stream		I_{cu} [kA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	C	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	1.4	T	T	T	T	T	T	T
			2	0.6	1.5	T	T	T	T	T	T
		10	3		0.5	1.1	1.7	3.6	T	T	T
			4		0.5	1	1.3	1.7	5.8	T	T
			6			0.8	0.9	1.1	2.2	3.4	T
			8				0.8	1.1	1.3	1.6	2.1
			10				0.7	0.9	1.3	1.6	2.1
		6	13					0.8	1.2	1.5	1.9
			16						1.2	1.5	1.9
			20							1.4	1.8
			25							1.4	1.8
			32							1.2	1.5
			40							1.2	1.5
			50								1.4
			63								1.4

		Upstream		S800S							
	Char.			B							
Down-stream		I_{cu} [kA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	K	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.3	0.4	T	T	T	T	T	T
		10	3		0.3	0.5	0.7	1.1	T	T	T
			4		0.3	0.5	0.7	1	1.7	2.6	T
			6				0.6	0.7	1.1	1.4	2.1
			8					0.6	1.1	1	1.2
			10						0.8	1	1.2
		6	13							1	1.2
			16								1.2
			20								
			25								
			32								
			40								
			50								
			63								

		Upstream		S800S							
	Char.			C							
Down-stream		I_{cu} [kA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	K	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.3	0.4	T	T	T	T	T	T
		10	3	0.4	0.5	1	1.7	3.8	T	T	T
			4	0.4	0.5	0.9	1.3	1.9	1.7	2.6	T
			6		0.4	0.8	0.9	1.1	2.2	3.4	T
			8			0.5	0.8	1.1	1.3	1.6	2.1
			10				0.7	0.9	1.3	1.6	2.1
		6	13					0.8	1.2	1.5	1.9
			16						1.2	1.5	1.9
			20							1.4	1.8
			25								1.8
			32								
			40								
			50								
			63								

Selectivity
S800S – S400M

S800S – S400M @ 254/440 V

		Upstream		S800S							
	Char.			D							
Down-stream		I_{cu} [kA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	C	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	T	T	T	T	T	T	T	T
			2	2.5	T	T	T	T	T	T	T
		10	3	0.6	0.8	1.9	5.9	T	T	T	T
			4	0.6	0.7	1.3	2.6	T	T	T	T
			6	0.5	0.6	0.9	1.4	2.1	5.4	T	T
			8	0.4	0.5	0.8	1	1.2	2.1	2.8	4.5
			10	0.4	0.4	0.7	1	1.2	1.8	2.5	4.2
		6	13	0.4	0.4	0.7	1	1.1	1.7	2.3	3.2
			16		0.4	0.7	0.9	1.1	1.7	2.3	3.2
			20			0.6	0.9	1.1	1.6	2.1	2.7
			25			0.6	0.9	1.1	1.6	2.1	2.7
			32				0.8	1	1.4	1.7	2.2
			40					1	1.4	1.7	2.2
			50						1.3	1.6	2
			63							1.6	2

S800S – S400M @ 254/440 V

		Upstream		S800S							
	Char.			K							
Down-stream		I_{cu} [KA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	C	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	T	T	T	T	T	T	T	T
			2	2.5	T	T	T	T	T	T	T
		10	3	0.6	0.8	1.9	5.9	T	T	T	T
			4	0.6	0.7	1.3	2.6	T	T	T	T
			6	0.5	0.6	0.9	1.4	2.1	5.4	T	T
			8	0.4	0.5	0.8	1	1.2	2.1	2.8	4.5
			10	0.4	0.4	0.7	1	1.2	1.8	2.5	4.2
		6	13	0.4	0.4	0.7	1	1.1	1.7	2.3	3.2
			16		0.4	0.7	0.9	1.1	1.7	2.3	3.2
			20			0.6	0.9	1.1	1.6	2.1	2.7
			25			0.6	0.9	1.1	1.6	2.1	2.7
			32				0.8	1	1.4	1.7	2.2
			40					1	1.4	1.7	2.2
			50						1.3	1.6	2
			63							1.6	2

		Upstream		S800S							
	Char.			D							
Down-stream		I_{cu} [kA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	K	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.3	0.4	T	T	T	T	T	T
		10	3	0.6	0.8	1.9	5.9	T	T	T	T
			4	0.6	0.7	1.3	2.6	T	1.7	T	T
			6	0.5	0.6	0.9	1.4	2.1	T	T	T
			8	0.4	0.5	0.8	1	1.2	5.4	2.8	4.5
			10	0.4	0.4	0.7	1	1.2	2.1	2.5	4.2
		6	13		0.4	0.7	1	1.1	1.8	2.3	3.2
			16			0.7	0.9	1.1	1.7	2.3	3.2
			20				0.9	1.1	1.7	2.1	2.7
			25					1.1	1.6	2.1	2.7
			32						1.6	1.7	2.2
			40							1.7	2.2
			50								2
			63								

		Upstream		S800S							
	Char.			K							
Down-stream		I_{cu} [KA]		30							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	K	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.3	0.4	T	T	T	T	T	T
		10	3	0.6	0.8	1.9	5.9	T	T	T	T
			4	0.6	0.7	1.3	2.6	T	1.7	T	T
			6	0.5	0.6	0.9	1.4	2.1	T	T	T
			8	0.4	0.5	0.8	1	1.2	5.4	2.8	4.5
			10	0.4	0.4	0.7	1	1.2	2.1	2.5	4.2
		6	13		0.4	0.7	1	1.1	1.8	2.3	3.2
			16			0.7	0.9	1.1	1.7	2.3	3.2
			20				0.9	1.1	1.7	2.1	2.7
			25					1.1	1.6	2.1	2.7
			32						1.6	1.7	2.2
			40							1.7	2.2
			50								2
			63								

Selectivity
S800N – S400M

S800N – S400M @ 254/440 V

		Upstream		S800N							
	Char.			B							
Down-stream		I_{cu} [kA]		20							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	C	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.4	0.4	T	T	T	T	T	T
		10	3		0.3	0.5	0.7	1.1	T	T	T
			4		0.3	0.5	0.7	1	1.7	2.6	T
			6			0.5	0.6	0.7	1.1	1.4	2.1
			8				0.4	0.6	1.1	1	1.2
			10				0.4	0.6	0.8	1	1.2
		6	13					0.5	0.8	1	1.2
			16						0.8	0.9	1.2
			20							0.9	1.1
			25							0.9	1.1
			32							0.8	1
			40							0.8	1
			50								0.9
			63								0.9

S800N – S400M @ 254/440 V

		Upstream		S800N							
	Char.			C							
Down-stream		I_{cu} [kA]		20							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	C	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	1.4	T	T	T	T	T	T	T
			2	0.6	1.5	T	T	T	T	T	T
		10	3		0.5	1.1	1.7	3.6	T	T	T
			4		0.5	1	1.3	1.7	5.8	T	T
			6			0.8	0.9	1.1	2.2	3.4	T
			8				0.8	1.1	1.3	1.6	2.1
			10				0.7	0.9	1.3	1.6	2.1
		6	13					0.8	1.2	1.5	1.9
			16						1.2	1.5	1.9
			20							1.4	1.8
			25							1.4	1.8
			32							1.2	1.5
			40							1.2	1.5
			50								1.4
			63								1.4

		Upstream		S800N							
	Char.			B							
Down-stream		I_{cu} [kA]		20							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	K	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.3	0.4	T	T	T	T	T	T
		10	3		0.3	0.5	0.7	1.1	T	T	T
			4		0.3	0.5	0.7	1	1.7	2.6	T
			6				0.6	0.7	1.1	1.4	2.1
			8					0.6	1.1	1	1.2
			10						0.8	1	1.2
		6	13							1	1.2
			16								1.2
			20								
			25								
			32								
			40								
			50								
			63								

		Upstream		S800N							
	Char.			C							
Down-stream		I_{cu} [kA]		20							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	K	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.3	0.4	T	T	T	T	T	T
		10	3	0.4	0.5	1	1.7	3.8	T	T	T
			4	0.4	0.5	0.9	1.3	1.9	1.7	2.6	T
			6		0.4	0.8	0.9	1.1	2.2	3.4	T
			8			0.5	0.8	1.1	1.3	1.6	2.1
			10				0.7	0.9	1.3	1.6	2.1
		6	13					0.8	1.2	1.5	1.9
			16						1.2	1.5	1.9
			20							1.4	1.8
			25								1.8
			32								
			40								
			50								
			63								

Selectivity
S800N – S400M

S800N – S400M @ 254/440 V

		Upstream		S800N							
	Char.			D							
Down-stream		I_{cu} [kA]		20							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	C	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	T	T	T	T	T	T	T	T
			2	2.5	T	T	T	T	T	T	T
		10	3	0.6	0.8	1.9	5.9	T	T	T	T
			4	0.6	0.7	1.3	2.6	T	T	T	T
			6	0.5	0.6	0.9	1.4	2.1	5.4	T	T
			8	0.4	0.5	0.8	1	1.2	2.1	2.8	4.5
			10	0.4	0.4	0.7	1	1.2	1.8	2.5	4.2
		6	13	0.4	0.4	0.7	1	1.1	1.7	2.3	3.2
			16		0.4	0.7	0.9	1.1	1.7	2.3	3.2
			20			0.6	0.9	1.1	1.6	2.1	2.7
			25			0.6	0.9	1.1	1.6	2.1	2.7
			32				0.8	1	1.4	1.7	2.2
			40					1	1.4	1.7	2.2
			50						1.3	1.6	2
			63							1.6	2

		Upstream		S800N							
	Char.			D							
Down-stream		I_{cu} [kA]		20							
			I_n [A]	25	32	40	50	63	80	100	125
S400M	K	15	0,5	T	T	T	T	T	T	T	T
			1	T	T	T	T	T	T	T	T
			1,6	0.4	0.5	T	T	T	T	T	T
			2	0.3	0.4	T	T	T	T	T	T
		10	3	0.6	0.8	1.9	5.9	T	T	T	T
			4	0.6	0.7	1.3	2.6	T	1.7	T	T
			6	0.5	0.6	0.9	1.4	2.1	T	T	T
			8	0.4	0.5	0.8	1	1.2	5.4	2.8	4.5
			10	0.4	0.4	0.7	1	1.2	2.1	2.5	4.2
		6	13		0.4	0.7	1	1.1	1.8	2.3	3.2
			16			0.7	0.9	1.1	1.7	2.3	3.2
			20				0.9	1.1	1.7	2.1	2.7
			25					1.1	1.6	2.1	2.7
			32						1.6	1.7	2.2
			40							1.7	2.2
			50								2
			63								

Selectivity
Tmax – S400

Tmax T1 – @ 230/400 V

		S.	T1										
		Version	B, C, N										
		Release	TM										
		I_u [A]	160										
L.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S400M FS401M FS403M	B	6	5.5	5.5	5.5	5.5	5.5	5.5	10	10	10	10	10
		8		5.5	5.5	5.5	5.5	5.5	10	10	10	10	10
		10			3	3	3	4.5	7.5	8.5	10	10	10
		13				3	3	4.5	7.5	8.5	10	10	10
		16					3	4.5	5	7.5	10	10	10
		20						3	5	6	10	10	10
		25							5	6	10	10	10
		32								6	7.5	10	10
		40									7.5	10	10
		50										7.5	10
		63											10

Tmax T1 – @ 230/400 V

		S.	T1										
		Version	B										
		Release	TM										
		I_u [A]	160										
L.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S400M FS401M FS403M	C	≤ 2	50	50	50	50	50	50	50	50	50	50	50
		3	16	16	16	16	16	16	16	16	16	16	16
		4	16	16	16	16	16	16	16	16	16	16	16
		6	5.5	5.5	5.5	5.5	5.5	5.5	16	16	16	16	16
		8		5.5	5.5	5.5	5.5	5.5	16	16	16	16	16
		10			3	3	3	4.5	7.5	8.5	16	16	16
		13				3	3	4.5	7.5	8.5	16	16	16
		16					3	4.5	5	7.5	16	16	16
		20						3	5	6	16	16	16
		25							5	6	10	10	10
		32								6	7.5	10	10
		40									7.5	10	10
		50										7.5	10
		63											10

Tmax T1 – @ 230/400 V

		S.	T1										
		Version	C										
		Release	TM										
		I_u [A]	160										
L.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S400M FS401M FS403M	C	≤ 2	50	50	50	50	50	50	50	50	50	50	50
		3	25	25	25	25	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25	25	25	25	25
		6	5.5	5.5	5.5	5.5	5.5	5.5	25	25	25	25	25
		8		5.5	5.5	5.5	5.5	5.5	25	25	25	25	25
		10			3	3	3	4.5	7.5	8.5	25	25	25
		13				3	3	4.5	7.5	8.5	25	25	25
		16					3	4.5	5	7.5	25	25	25
		20						3	5	6	25	25	25
		25							5	6	10	10	10
		32								6	7.5	10	10
		40									7.5	10	10
		50										7.5	10
		63											10

E. = Upstream L. = Downstream
T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
Tmax – S400

Tmax T1 – @ 230/400 V

		S.	T1										
		Version	N										
		Release	TM										
		I_u [A]	160										
L.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S400M FS401M FS403M	C	≤ 2	50	50	50	50	50	50	50	50	50	50	50
		3	25	25	25	25	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25	25	25	25	25
		6	5.5	5.5	5.5	5.5	5.5	5.5	25	25	25	25	25
		8		5.5	5.5	5.5	5.5	5.5	10	25	25	25	25
		10			3	3	3	4.5	7.5	8.5	25	25	25
		13				3	3	4.5	7.5	8.5	25	25	25
		16					3	4.5	5	7.5	25	25	25
		20						3	5	6	25	25	25
		25							5	6	10	10	10
		32								6	7.5	10	10
		40									7.5	10	10
		50										7.5	10
		63											10

Tmax T1 – @ 230/400 V

		S.	T1										
		Version	B, C, N										
		Release	TM										
		I_u [A]	160										
L.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S400M	D	6	5.5	5.5	5.5	5.5	5.5	5.5	10	10	10	10	10
		8		5.5	5.5	5.5	5.5	5.5	10	10	10	10	10
		10			3	3	3	3	5	8.5	10	10	10
		13				2	2	2	3	7.5	10	10	10
		16					2	2	3	4.5	8	10	10
		20						2	2.5	4	6.5	11	10
		25							2	4	6	9.5	10
		32								3	6	9.5	10
		40									5	8	10
		50										5	9.5
		63											9.5

Tmax T1 – @ 230/400 V

		S.	T1										
		Version	B, C, N										
		Release	TM										
		I_u [A]	160										
L.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S400M	K	≤ 2	16	16	16	16	16	16	16	16	16	16	16
		3	16	16	16	16	16	16	16	16	16	16	16
		4	16	16	16	16	16	16	16	16	16	16	16
		6	5.5	5.5	5.5	5.5	5.5	5.5	16	16	16	16	16
		8		5.5	5.5	5.5	5.5	5.5	16	16	16	16	16
		10			3	3	3	3	6	8.5	16	16	16
		13				3	3	3	4.5	7.5	16	16	16
		16					2	3	3.5	5.5	16	16	16
		20						2	3.5	5.5	6.5	16	16
		25							2	4.5	6	9.5	10
		32								4	6	9.5	10
		40									5	8	10
		50										6	9.5
		63											9.5

E. = Upstream L. = Downstream
T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
Tmax – S400

Tmax T2 – S400M @ 230/400 V

		S.	T2																
		Version	N, S, H, L																
		Release	TM, M												EL				
		I_u [A]	160																
L.	Char.	I_n [A]	12.5	16	20	25	32	40	50	63	80	100	125	160	10	25	63	100	160
S400M	K	≤ 2	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	10	10	10	10	10		25	25	25	25
		8			5.5	5.5	5.5	5.5	5.5	10	10	10	10	10		25	25	25	25
		10			3	3	3	3	3	10	8.5	10	10	10		25	25	25	25
		16					2	3	3	4.5	7.5	10	10	10			25	25	25
		20					2		3	3.5	5.5	6.5	10	10			25	25	25
		25							2	3.5	5.5	6	9.5	10			10	10	10
		32									4.5	6	9.5	10			10	10	10
		40									3	5	8	10				10	10
		50									2	3	6	9.5				9.5	9.5
		63										3		9.5					9.5

Tmax T1 – @ 230/400 V

		S.	T1										
		Version	B, C, N										
		Release	TM										
		I_u [A]	160										
L.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160
S400M	K	≤ 2	36	36	36	36	36	36	36	36	36	36	36
		3	25	25	25	25	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25	25	25	25	25
		6	5.5	5.5	5.5	5.5	5.5	5.5	25	25	25	25	25
		8		5.5	5.5	5.5	5.5	5.5	10	12	25	25	25
		10			3	3	3	3	6	8.5	25	25	25
		13				3	3	3	4.5	7.5	25	25	25
		16					2	3	3.5	5.5	25	25	25
		20						2	3.5	5.5	6.5	11	25
		25							2	4.5	6	9.5	10
		32								4	6	9.5	10
		40									5	8	10
		50										6	9.5
		63											9.5

E. = Upstream L. = Downstream
T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
Tmax – S400

Tmax T2 – S400M @ 230/400 V

		S.	T2																
		Version	N, S, H, L																
		Release	TM, M												EL				
		I_u [A]	160																
L.	Char.	I_n [A]	12.5	16	20	25	32	40	50	63	80	100	125	160	10	25	63	100	160
S400M FS401M FS403M	B	6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	10	10	10	10	10		10	10	10	10
		8			5.5	5.5	5.5	5.5	5.5	10	10	10	10	10		10	10	10	10
		10			3	3	3	3	4.5	7.5	8.5	10	10	10		10	10	10	10
		13			3		3	3	4.5	7.5	7.5	10	10	10		10	10	10	10
		16					3	3	4.5	5	7.5	10	10	10			10	10	10
		20					3		3	5	6	10	10	10			10	10	10
		25							3	5	6	10	10	10			10	10	10
		32							3		6	7.5	10	10			10	10	10
		40									5.5	7.5	10	10				10	10
		50									3	5	7.5	10				10	10
		63										5		10					10

		S.	T2																
		Version	N																
		Release	TM, M												EL				
		I_u [A]	160																
L.	Char.	I_n [A]	12.5	16	20	25	32	40	50	63	80	100	125	160	10	25	63	100	160
S400M FS401M FS403M	C	≤ 2	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	25	25	25	25	25		25	25	25	25
		8			5.5	5.5	5.5	5.5	5.5	25	25	25	25	25		25	25	25	25
		10			3	3	3	3	4.5	7.5	8.5	10	25	25		25	25	25	25
		13			3		3	3	4.5	7.5	7.5	10	25	25		25	25	25	25
		16					3	3	4.5	5	7.5	10	25	25			25	25	25
		20					3		3	5	6	10	25	25			25	25	25
		25							3	5	6	10	10	10			10	10	10
		32							3		6	7.5	10	10			10	10	10
		40									5.5	7.5	10	10				10	10
		50									3	5	7.5	10				10	10
		63										5		10					10

		S.	T2																
		Version	S, H, L																
		Release	TM, M												EL				
		I_u [A]	160																
L.	Char.	I_n [A]	12.5	16	20	25	32	40	50	63	80	100	125	160	10	25	63	100	160
S400M FS401M FS403M	C	≤ 2	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	25	25	25	25	25		25	25	25	25
		8			5.5	5.5	5.5	5.5	5.5	25	25	25	25	25		25	25	25	25
		10			3	3	3	3	4.5	7.5	8.5	25	25	25		25	25	25	25
		13			3		3	3	4.5	7.5	7.5	25	25	25		25	25	25	25
		16					3	3	4.5	5	7.5	25	25	25			25	25	25
		20					3		3	5	6	10	10	10			25	25	25
		25							3	5	6	10	10	10			10	10	10
		32							3		6	7.5	10	10			10	10	10
		40									5.5	7.5	10	10				10	10
		50									3	5	7.5	10				10	10
		63										5		10					10

S. = Upstream L. = Downstream T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
Tmax – S400

Tmax T2 – S400M @ 230/400 V

		S.	T2																
		Version	N, S, H, L																
		Release	TM, M												EL				
		I_u [A]	160																
L.	Char.	I_n [A]	12.5	16	20	25	32	40	50	63	80	100	125	160	10	25	63	100	160
S400M	D	6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	10	10	10	10	10		10	10	10	10
		8			5.5	5.5	5.5	5.5	5.5	10	10	10	10	10		10	10	10	10
		10			3	3	3	3	3	5	8.5	10	10	10		10	10	10	10
		16					2	2	2	3	5	8	10	10			10	10	10
		20					2		2	3	4.5	6.5	10	10			10	10	10
		25							2	2.5	4	6	9.5	10			10	10	10
		32									4	6	9.5	10			10	10	10
		40									3	5	8	10				10	10
		50									2	3	5	9.5				9.5	9.5
		63										3		9.5					9.5

		S.	T2																
		Version	N																
		Release	TM, M												EL				
		I_u [A]	160																
L.	Char.	I_n [A]	12.5	16	20	25	32	40	50	63	80	100	125	160	10	25	63	100	160
S400M	K	≤ 2	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	25	25	25	25	25		25	25	25	25
		8			5.5	5.5	5.5	5.5	5.5	25	25	25	25	25		25	25	25	25
		10			3	3	3	3	3	25	8.5	25	25	25		25	25	25	25
		16					2	3	3	4.5	7.5	25	25	25			25	25	25
		20					2		3	3.5	5.5	6.5	25	25			25	25	25
		25							2	3.5	5.5	6	9.5	10			10	10	10
		32									4.5	6	9.5	10			10	10	10
		40									3	5	8	10				10	10
		50									2	3	6	9.5				9.5	9.5
		63										3		9.5					9.5

		S.	T2																
		Version	S, H, L																
		Release	TM, M												EL				
		I_u [A]	160																
L.	Char.	I_n [A]	12.5	16	20	25	32	40	50	63	80	100	125	160	10	25	63	100	160
S400M	K	≤ 2	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	25	25	25	25	25		25	25	25	25
		8			5.5	5.5	5.5	5.5	5.5	25	25	25	25	25		25	25	25	25
		10			3	3	3	3	3	10	8.5	25	25	25		25	25	25	25
		16					2	3	3	4.5	7.5	25	25	25			25	25	25
		20					2		3	3.5	5.5	6.5	25	25			25	25	25
		25							2	3.5	5.5	6	9.5	10			10	10	10
		32									4.5	6	9.5	10			10	10	10
		40									3	5	8	10				10	10
		50									2	3	6	9.5				9.5	9.5
		63										3		9.5					9.5

S. = Upstream L. = Downstream T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
Tmax – S400

Tmax T3 – S400M, 230/400 V

		S.	T3						
		Version	N, S						
		Release	TM, M						
		I_u [A]	250						
L.	Char.	I_n [A]	63	80	100	125	160	200	250
S400M FS401M FS403M	B	6	10	10	10	10	10	10	10
		8	10	10	10	10	10	10	10
		10	7.5	8.5	10	10	10	10	10
		13	7.5	7.5	10	10	10	10	10
		16	5	7.5	10	10	10	10	10
		20	5	6	10	10	10	10	10
		25	5	6	10	10	10	10	10
		32		6	7.5	10	10	10	10
		40			7.5	10	10	10	10
		50			5	7.5	10	10	10
		63			5	6	10	10	10

Tmax T3 – S400M, 230/400 V

		S.	T3						
		Version	N, S						
		Release	TM, M						
		I_u [A]	250						
L.	Char.	I_n [A]	63	80	100	125	160	200	250
S400M	D	6	10	10	10	10	10	10	10
		8	10	10	10	10	10	10	10
		10	5	8.5	10	10	10	10	10
		16	3	5	8	10	10	10	10
		20	3	4.5	6.5	10	10	10	10
		25	2.5	4	6	9.5	10	10	10
		32		4	6	9.5	10	10	10
		40			5	8	10	10	10
		50			3	5	9.5	10	10
		63			3	5	9.5	10	10

		S.	T3						
		Version	N						
		Release	TM, M						
		I_u [A]	250						
L.	Char.	I_n [A]	63	80	100	125	160	200	250
S400M FS401M FS403M	C	≤ 2	36	36	36	36	36	36	36
		3	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25
		6	25	25	25	25	25	25	25
		8	25	25	25	25	25	25	25
		10	7.5	8.5	25	25	25	25	25
		13	7.5	7.5	25	25	25	25	25
		16	5	7.5	25	25	25	25	25
		20	5	6	25	25	25	25	25
		25	5	6	10	10	10	10	10
		32		6	7.5	10	10	10	10
		40			7.5	10	10	10	10
		50			5	7.5	10	10	10
		63			5	6	10	10	10

		S.	T3						
		Version	N						
		Release	TM, M						
		I_u [A]	250						
L.	Char.	I_n [A]	63	80	100	125	160	200	250
S400M	K	≤ 2	36	36	36	36	36	36	36
		3	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25
		6	25	25	25	25	25	25	25
		8	25	25	25	25	25	25	25
		10	25	25	25	25	25	25	25
		16	4.5	7.5	10	25	25	25	25
		20	4.5	5.5	6.5	25	25	25	25
		25	3.5	5.5	6	9.5	10	10	10
		32		4.5	6	9.5	10	10	10
		40			5	8	10	10	10
		50			3	6	9.5	10	10
		63			3	5.5	9.5	10	10

		S.	T3						
		Version	S						
		Release	TM, M						
		I_u [A]	250						
L.	Char.	I_n [A]	63	80	100	125	160	200	250
S400M FS401M FS403M	C	≤ 2	50	50	50	50	50	50	50
		3	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25
		6	25	25	25	25	25	25	25
		8	25	25	25	25	25	25	25
		10	7.5	8.5	25	25	25	25	25
		13	7.5	7.5	25	25	25	25	25
		16	5	7.5	25	25	25	25	25
		20	5	6	25	25	25	25	25
		25	5	6	10	10	10	10	10
		32		6	7.5	10	10	10	10
		40			7.5	10	10	10	10
		50			5	7.5	10	10	10
		63			5	6	10	10	10

		S.	T3						
		Version	S						
		Release	TM, M						
		I_u [A]	250						
L.	Char.	I_n [A]	63	80	100	125	160	200	250
S400M	K	≤ 2	50	50	50	50	50	50	50
		3	25	25	25	25	25	25	25
		4	25	25	25	25	25	25	25
		6	25	25	25	25	25	25	25
		8	25	25	25	25	25	25	25
		10	25	25	25	25	25	25	25
		16	4.5	7.5	10	25	25	25	25
		20	4.5	5.5	6.5	25	25	25	25
		25	3.5	5.5	6	9.5	10	10	10
		32		4.5	6	9.5	10	10	10
		40			5	8	10	10	10
		50			3	6	9.5	10	10
		63			3	5.5	9.5	10	10

S. = Upstream L. = Downstream T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
Tmax – S400

Tmax T4 – S400M, 400/415V

		S.	T4													
		Version	N, S, H, L, V													
		Release	TM, M										EL			
		I_u [A]	250										250			320
L.	Char.	I_n [A]	20	25	32	50	80	100	125	160	200	250	100	160	250	320
S400M FS401M FS403M	B	6	7.5	7.5	7.5	7.5	10	10	10	10	10	10	10	10	10	10
		8	7.5	7.5	7.5	7.5	10	10	10	10	10	10	10	10	10	10
		10	5	5	5	6.5	9	10	10	10	10	10	10	10	10	10
		13		5	5	6.5	8	10	10	10	10	10	10	10	10	10
		16		5	5	6.5	8	10	10	10	10	10	10	10	10	10
		20				5	7.5	10	10	10	10	10	10	10	10	10
		25				5	7.5	10	10	10	10	10	10	10	10	10
		32				5	7.5	10	10	10	10	10	10	10	10	10
		40					6.5	10	10	10	10	10	10	10	10	10
		50					5	10	10	10	10	10	10	10	10	10
		63						10	10	10	10	10	10	10	10	10
S400M FS401M FS403M	C	≤ 2	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		3	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		4	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		6	7.5	7.5	7.5	7.5	50	50	50	50	50	50	50	50	50	50
		8	7.5	7.5	7.5	7.5	50	50	50	50	50	50	50	50	50	50
		10	5	5	5	6.5	9	50	50	50	50	50	50	50	50	50
		13		5	5	6.5	8	50	50	50	50	50	50	50	50	50
		16		5	5	6.5	8	50	50	50	50	50	50	50	50	50
		20				5	7.5	50	50	50	50	50	50	50	50	50
		25				5	7.5	10	10	10	10	10	10	10	10	10
		32				5	7.5	10	10	10	10	10	10	10	10	10
		40					6.5	10	10	10	10	10	10	10	10	10
		50					5	10	10	10	10	10	10	10	10	10
		63						10	10	10	10	10	10	10	10	10
S400M	D	≤ 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		3	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		4	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		6	7.5	7.5	7.5	7.5	10	10	10	10	10	10	10	10	10	10
		8	7.5	7.5	7.5	7.5	10	10	10	10	10	10	10	10	10	10
		10	5	5	5	5	9	10	10	10	10	10	10	10	10	10
		16				4	5.5	10	10	10	10	10	10	10	10	10
		20				4	5	10	10	10	10	10	10	10	10	10
		25				4	4.5	10	10	10	10	10	10	10	10	10
		32					4.5	10	10	10	10	10	10	10	10	10
		40					4.5	10	10	10	10	10	10	10	10	10
		50						10	10	10	10	10	10	10	10	10
		63							10	10	10	10	10	10	10	10
S400M	K	≤ 2	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		3	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		4	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		6	7.5	7.5	7.5	7.5	50	50	50	50	50	50	50	50	50	50
		8	7.5	7.5	7.5	7.5	50	50	50	50	50	50	50	50	50	50
		10		5	5	5	9	50	50	50	50	50	50	50	50	50
		16		5		5	8	50	50	50	50	50	50	50	50	50
		20				5	6	50	50	50	50	50	50	50	50	50
		25				5	6	10	10	10	10	10	10	10	10	10
		32				5	6	10	10	10	10	10	10	10	10	10
		40					5.5	10	10	10	10	10	10	10	10	10
		50					5	10	10	10	10	10	10	10	10	10
		63						10	10	10	10	10	10	10	10	10

E. = Upstream L. = Downstream
T = total selectivity up to breaking capacity of downstream miniature circuit breaker
Selectivity limits are specified in kA

Selectivity
S800

Fuse NH...gL/gG – S800 @ 690 V

		Upstream	Fuse NH...gL/gG						
Downstream	Char.	I_n [A]	100	125	160	200	250	315	400
S800S S800N S800C	B,C,D,K,KM B,C,D B,C,D,K	10	26	T	T	T	T	T	T
		13	24	T	T	T	T	T	T
		16	20	T	T	T	T	T	T
		20	13	31	T	T	T	T	T
		25	10	25	T	T	T	T	T
		32	8	18	T	T	T	T	T
		40	6	14	49	T	T	T	T
		50	5	11	42	T	T	T	T
		63	4.3	9	40	T	T	T	T
		80	4.1	8	28	T	T	T	T
		100	3.5	7.2	28	T	T	T	T
		125	3.2	6.4	23	T	T	T	T

Select the lower value between the indicated value and the ultimate short-circuit breaking capacity Icu of the downstream circuit-breaker
Valid for all rated voltages up to 690 V where applicable

Selectivity
XT – S400

MCCB – S2.. B @ 415 V

			Supply s	XT2	XT1 – XT2						XT1 – XT2 – XT3					XT3	
			Version	B, C, N, S, H, L, V													
			Release	TM													
	Char.	15	I_n [A]	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250
Load s.	B	S400M FS400M	6	5,5[1]	5,5	5,5	5,5	5,5	5,5	5,5	10	T	T	T	T	T	T
			10			3[1]	3	3	3	4,5	7,5	8,5	10	T	T	T	T
			13			3[1]		3	3	4,5	7,5	7,5	10	10	T	T	T
			16					3[1]	3	4,5	5	7,5	12	10	T	T	T
			20					3[1]		3	5	6	10	10	T	T	T
			25							3[1]	5	6	10	10	T	T	T
			32							3[1]		6	7,5	10	T	T	T
			40									5,5[1]	7,5	10	T	T	T
			50									3[1]	5[2]	7,5	10	T	T
			63										5[2]	6[3]	10	T	T

[1] Value valid only for XT2 magnetic only supply side circuit-breaker
[2] Value valid only for XT2-XT3 magnetic only supply side circuit-breaker
[3] Value valid only for XT3 magnetic only supply side circuit-breaker

MCCB – S2.. B @ 415 V

			Supply s	XT4													T5
			Version	B, C, N, S, H, L, V													
			Release	TM													
	Char.	15	I_n [A]	20	25	32	40	50	63	80	100	125	160	200	225	250	320 ÷ 500
Load s.	B	S400M FS400M	6	7,5[4]	7,5	7,5	7,5	7,5	10	T	T	T	T	T	T	T	T
			10	5[4]	5	5	5	6,5	7,5	9	T	T	T	T	T	T	T
			13		5	5	5	6,5	7,5	8	T	T	T	T	T	T	T
			16		3	5	5	6,5	7,5	8	T	T	T	T	T	T	T
			20				5	5	5	7,5	T	T	T	T	T	T	T
			25					5	5	7,5	T	T	T	T	T	T	T
			32					5[4]	5	7,5	T	T	T	T	T	T	T
			40							6,5	T	T	T	T	T	T	T
			50							5[4]	T	T	T	T	T	T	T
			63								T[4]	T[4]	T	T	T	T	T

[4] Value valid only for XT4 magnetic only supply side circuit-breaker

MCCB – S2.. B @ 415 V

			Supply s	XT2				XT4				T4	T5
			Version	B, C, N, S, H, L, V									
			Release	EL									
	Char.	15	I_n [A]	25	63	100	160	40	63	100, 160	250	320	320 ÷ 630
Load s.	B	S400M FS400M	6	T	T	T	T	T	T	T	T	T	T
			10	T	T	T	T	T	T	T	T	T	T
			13	T	T	T	T	T	T	T	T	T	T
			16		T	T	T	T	T	T	T	T	T
			20		T	T	T	T	T	T	T	T	T
			25		T	T	T		T	T	T	T	T
			32		T	T	T		T	T	T	T	T
			40			T	T			T	T	T	T
			50			10	10			T	T	T	T
			63				10			T	T	T	T

Selectivity
XT – S400

MCCB – S2.. C @ 415 V

			Supply s	XT2	XT1 – XT2						XT1 – XT2 – XT3					XT3	
			Version	B, C, N, S, H, L, V													
			Release	TM													
	Char.	15	I_n [A]	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250
Load s.	C	S400M FS400M	≤2	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			6	5,5[1]	5,5	5,5	5,5	5,5	5,5	5,5	10	T	T	T	T	T	T
			8			5,5	5,5	5,5	5,5	5,5	10	T	T	T	T	T	T
			10			3[1]	3	3	3	4,5	7,5	8,5	10	T	T	T	T
			13			3[1]		3	3	4,5	7,5	7,5	10	10	T	T	T
			16					3[1]	3	4,5	5	7,5	10	10	T	T	T
			20					3[1]		3	5	6	10	10	T	T	T
			25							3[1]	5	6	10	10	T	T	T
			32							3[1]		6	7,5	10	T	T	T
			40									5,5[1]	7,5	10	T	T	T
			50									3[1]	5[2]	7,5	10	T	T
			63										5[2]	6[3]	10	T	T

[1] Value valid only for XT2 magnetic only supply side circuit-breaker
[2] Value valid only for XT2-XT3 magnetic only supply side circuit-breaker
[3] Value valid only for XT3 magnetic only supply side circuit-breaker

MCCB – S2.. C @ 415 V

			Supply s	XT4													T5
			Version	B, C, N, S, H, L, V													
			Release	TM													
	Char.	15	I_n [A]	20	25	32	40	50	63	80	100	125	160	200	225	250	320 ÷ 500
Load s.	C	S400M FS400M	≤2	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			6	7,5	7,5	7,5	7,5	7,5	7,5	10	T	T	T	T	T	T	T
			8	7,5	7,5	7,5	7,5	7,5	7,5	10	T	T	T	T	T	T	T
			10	5	5	5	5	6,5	7,5	9	T	T	T	T	T	T	T
			13		5	5	5	6,5	7,5	8	T	T	T	T	T	T	T
			16		3	5	5	6,5	5	8	T	T	T	T	T	T	T
			20				5	5	5	7,5	T	T	T	T	T	T	T
			25					5	5	7,5	T	T	T	T	T	T	T
			32					5[4]	5	7,5	T	T	T	T	T	T	T
			40							6,5	T	T	T	T	T	T	T
			50							5[4]	T	T	T	T	T	T	T
			63								T[4]	T[4]	T	T	T	T	T

[4] Value valid only for XT4 magnetic only supply side circuit-breaker

MCCB – S2.. C @ 415 V

			Supply s	XT2					XT4				T4	T5
			Version	B, C, N, S, H, L, V										
			Release	EL										
	Char.	15	I_n [A]	10	25	63	100	160	40	63	100, 160	250	320	320 ÷ 630
Load s.	C	S400M FS400M	≤2	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T
			6		T	T	T	T	T	T	T	T	T	T
			8		T	T	T	T	T	T	T	T	T	T
			10		T	T	T	T	T	T	T	T	T	T
			13		T	T	T	T	T	T	T	T	T	T
			16			T	T	T	T	T	T	T	T	T
			20			T	T	T	T	T	T	T	T	T
			25			T	T	T		T	T	T	T	T
			32			T	T	T		T	T	T	T	T
			40				T	T			T	T	T	T
			50				10	10			T	T	T	T
			63					10			T	T	T	T

Selectivity
XT – S400

MCCB – S2.. D @ 415 V

			Supply s	XT2	XT1 – XT2						XT1 – XT2 – XT3					XT3	
			Version	B, C, N, S, H, L, V													
			Release	TM													
	Char.	15	I_n [A]	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250
Load s.	D	S400M	≤2	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			6	5,5[1]	5,5	5,5	5,5	5,5	5,5	5,5	10	T	T	T	T	T	T
			8			5,5	5,5	5,5	5,5	5,5	10	T	T	T	T	T	T
			10			3[1]	3	3	3	3	5	8,5	17	T	T	T	T
			13					2[1]	2	2	3	5	8	10	T	T	T
			16					2[1]	2	2	3	5	8	10	T	T	T
			20					2[1]		2	3	4,5	6,5	10	T	T	T
			25							2[1]	2,5	4	6	9,5	T	T	T
			32									4	6	9,5	T	T	T
			40									3[1]	5[2]	8	T	T	T
			50									2[1]	3[2]	5	9,5	T	T
			63										3[2]	5[3]	9,5	T	T

[1] Value valid only for XT2 magnetic only supply side circuit-breaker
[2] Value valid only for XT2-XT3 magnetic only supply side circuit-breaker
[3] Value valid only for XT3 magnetic only supply side circuit-breaker

MCCB – S2.. D @ 415 V

			Supply s	XT4													T5
			Version	B, C, N, S, H, L, V													
			Release	TM													
	Char.	15	I_n [A]	20	25	32	40	50	63	80	100	125	160	200	225	250	320 ÷ 500
Load s.	D	S400M	≤2	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			6	7,5	7,5	7,5	7,5	7,5	7,5	T	T	T	T	T	T	T	T
			8	7,5	7,5	7,5	7,5	7,5	7,5	T	T	T	T	T	T	T	T
			10	5[4]	5	5	5	5	6	9	T	T	T	T	T	T	T
			13		5[4]		5	4	5	5,5	T	T	T	T	T	T	T
			16				5[4]	4	5	5,5	T	T	T	T	T	T	T
			20				5[4]	4[4]	5	5	T	T	T	T	T	T	T
			25					4[4]	4[4]	4,5	T	T	T	T	T	T	T
			32						5[4]	4,5[4]	T	T	T	T	T	T	T
			40							4,5[4]	T	T	T	T	T	T	T
			50								T[4]	T	T	T	T	T	T
			63									T[4]	T[4]	T	T	T	T

[4] Value valid only for XT4 magnetic only supply side circuit-breaker

MCCB – S2.. D @ 415 V

			Supply s	XT2					XT4				T4	T5
			Version	B, C, N, S, H, L, V										
			Release	EL										
	Char.	15	I_n [A]	10	25	63	100	160	40	63	100, 160	250	320	320 ÷ 630
Load s.	D	S400M	≤2	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T
			6		T	T	T	T	T	T	T	T	T	T
			8		T	T	T	T	T	T	T	T	T	T
			10		T	T	T	T	T	T	T	T	T	T
			13			T	T	T	T	T	T	T	T	T
			16			T	T	T	T	T	T	T	T	T
			20			T	T	T	T	T	T	T	T	T
			25			T	T	T		T	T	T	T	T
			32			T	T	T		T	T	T	T	T
			40				T	T			T	T	T	T
			50				9,5	9,5			T	T	T	T
			63					9,5			T	T	T	T

Selectivity
XT – S400

MCCB – S2.. K @ 415 V

			Supply s	XT2	XT1 – XT2						XT1 – XT2 – XT3					XT3	
			Version	B, C, N, S, H, L, V													
			Release	TM													
	Char.	15	I_n [A]	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250
Load s.	K	S400M	≤2	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			6	5,5[1]	5,5	5,5	5,5	5,5	5,5	5,5	10	T	T	T	T	T	T
			8			5,5	5,5	5,5	5,5	5,5	10	10	T	T	T	T	T
			10			3[1]	3	3	3	3	5	8,5	10	T	T	T	T
			13					2[1]	3	3	5	7,5	10	10	T	T	T
			16					2[1]	3	3	4,5	7,5	10	10	T	T	T
			20					2[1]		3	3,5	5,5	6,5	10	T	T	T
			25							2[1]	3,5	5,5	6	9,5	T	T	T
			32									4,5	6	9,5	T	T	T
			40									3[1]	5	8	T	T	T
			50									2[1]	3[2]	6	9,5	T	T
			63										3[2]	5[3]	9,5	T	T

[1] Value valid only for XT2 magnetic only supply side circuit-breaker
[2] Value valid only for XT2-XT3 magnetic only supply side circuit-breaker
[3] Value valid only for XT3 magnetic only supply side circuit-breaker

MCCB – S2.. K @ 415 V

			Supply s	XT4													T5
			Version	B, C, N, S, H, L, V													
			Release	TM													
	Char.	15	I_n [A]	20	25	32	40	50	63	80	100	125	160	200	225	250	320 ÷ 500
Load s.	K	S400M	≤2	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T	T	T	T
			6	7,5	7,5	7,5	7,5	7,5	7,5	8	T	T	T	T	T	T	T
			8	7,5[4]	7,5	7,5	7,5	7,5	7,5	8	T	T	T	T	T	T	T
			10		5[4]	5	5	5	7,5	9	T	T	T	T	T	T	T
			13		5[4]	5	5	5	7,5	8	T	T	T	T	T	T	T
			16		5[4]		5[4]	5	6	8	T	T	T	T	T	T	T
			20					5	6	6	T	T	T	T	T	T	T
			25					5[4]	5,5[4]	6[4]	T	T	T	T	T	T	T
			32					5[4]	5[4]	6[4]	T[4]	T	T	T	T	T	T
			40						5[4]	5,5[4]	T[4]	T[4]	T	T	T	T	T
			50							5[4]	T[4]	T[4]	T[4]	T	T	T	T
			63								T[4]	T[4]	T[4]	T	T	T	T

[4] Value valid only for XT4 magnetic only supply side circuit-breaker

MCCB – S2.. K @ 415 V

			Supply s	XT2					XT4				T4	T5
			Version	B, C, N, S, H, L, V										
			Release	EL										
	Char.	15	I_n [A]	10	25	63	100	160	40	63	100, 160	250	320	320 ÷ 630
Load s.	K	S400M	≤2	T	T	T	T	T	T	T	T	T	T	T
			3	T	T	T	T	T	T	T	T	T	T	T
			4	T	T	T	T	T	T	T	T	T	T	T
			6		T	T	T	T	T	T	T	T	T	T
			8		T	T	T	T	T	T	T	T	T	T
			10		T	T	T	T	T	T	T	T	T	T
			13		T	T	T	T	T	T	T	T	T	T
			16			T	T	T	T	T	T	T	T	T
			20			T	T	T	T	T	T	T	T	T
			25			T	T	T		T	T	T	T	T
			32			T	T	T		T	T	T	T	T
			40				T	T			T	T	T	T
			50				9,5	9,5			T	T	T	T
			63					9,5			T	T	T	T

Selectivity
Tmax – DS401, DS451

MCCB – S2.. D @ 415 V

		Supply s	T1											
		Version	B, C, N											
		Release	TMD											
		I_u [A]	160											
Load s.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160[2]	160
DS401 DS451	B, C	≤4	T	T	T	T	T	T	T	T	T	T	T	T
		6	6	6	6	6	6	6	T	T	T	T	T	T
		8			3	3	3	4.5	7.5	8.5	T	T	T	T
		10			3	3	3	4.5	7.5	8.5	T	T	T	T
		13					3	4.5	5	7.5	T	T	T	T
		16					3	4.5	5	7.5	T	T	T	T
		20						3	5	6	T	T	T	T
		25							5	6	T	T	T	T
		32								6	7.5	T	T	T
		40									7.5	T	T	T

Supply side circuit-breaker 4P (load side circuit branched between one phase and the neutral)
Load side circuit-breaker 1P+N (230/240 V)

[1] Value valid for magnetic only supply side circuit-breaker
[2] Neutral at 50 %

MCCB – S2.. D @ 415 V

		Supply s	T2												
		Version	N, S, H, L												
		Release	TMD, MA												
		I_u [A]	160												
Load s.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125[2]	125	160[2]	160
DS401 DS451	B, C	≤4	T	T	T	T	T	T	T	T	T	T	T	T	T
		6	T	T	T	T	T	T	T	T	T	T	T	T	T
		8		3[1]	3	3	3	4.5	7.5	8.5	T	T	T	T	T
		10		3[1]	3	3	3	4.5	7.5	8.5	T	T	T	T	T
		13				3[1]	3	4.5	5	7.5	T	7.5	T	T	T
		16				3[1]	3	4.5	5	7.5	T	7.5	T	T	T
		20				3[1]		3	5	6	T	6	T	T	T
		25						3[1]	5	6	T	6	T	T	T
		32						3[1]		6	7.5	6	T	T	T
		40								6[1]	7.5	6	T	T	T

Supply side circuit-breaker 4P (load side circuit branched between one phase and the neutral)
Load side circuit-breaker 1P+N (230/240 V)

[1] Value valid for magnetic only supply side circuit-breaker
[2] Neutral at 50 %

MCCB – S2.. D @ 415 V

		Supply s	T2					T3										
		Version	N, S, H, L					N, S										
		Release	EL					TMD, MA										
		I_u [A]	160					250										
Load s.	Char.	I_n [A]	10	25	63	100	160	63	80	100	125[2]	125	160[2]	160	200[2]	200	250[2]	250
DS401 DS451	B, C	≤4	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		6		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		8		T	T	T	T	7.5	8.5	T	T	T	T	T	T	T	T	T
		10		T	T	T	T	7.5	8.5	T	T	T	T	T	T	T	T	T
		13			T	T	T	5	7.5	T	7.5	T	T	T	T	T	T	T
		16			T	T	T	5	7.5	T	7.5	T	T	T	T	T	T	T
		20			T	T	T	5	6	T	6	T	T	T	T	T	T	T
		25			T	T	T	5	6	T	6	T	T	T	T	T	T	T
		32			T	T	T		6	7.5	6	T	T	T	T	T	T	T
		40				T	T		6[1]	7.5		T	T	T	T	T	T	T

Supply side circuit-breaker 4P (load side circuit branched between one phase and the neutral)
Load side circuit-breaker 1P+N (230/240 V)

[1] Value valid for magnetic only supply side circuit-breaker
[2] Neutral at 50 %

Selectivity
Tmax – DS401, DS451

MCCB – S2.. D @ 415 V

		Supply s	T1											
		Version	B, C, N											
		Release	TMD											
		I_u [A]	160											
Load s.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125	160[2]	160
DS401M DS402M DS451M	B, C	≤4	T	T	T	T	T	T	T	T	T	T	T	T
		6	6	6	6	6	6	6	12	T	T	T	T	T
		10			3	3	3	4.5	7.5	8.5	T	T	T	T
		13					3	4.5	5	7.5	T	T	T	T
		16					3	4.5	5	7.5	T	T	T	T
		20						3	5	6	T	T	T	T
		25							5	6	T	T	T	T
		32								6	7.5	T	T	T
		40									7.5	T	T	T

Supply side circuit-breaker 4P (load side circuit branched between one phase and the neutral)
Load side circuit-breaker 1P+N (230/240 V)

[1] Value valid for magnetic only supply side circuit-breaker
[2] Neutral at 50 %

MCCB – S2.. D @ 415 V

		Supply s	T2												
		Version	N, S, H, L												
		Release	TMD, MA												
		I_u [A]	160												
Load s.	Char.	I_n [A]	16	20	25	32	40	50	63	80	100	125[2]	125	160[2]	160
DS401M DS402M DS451M	B, C	≤4	T	T	T	T	T	T	T	T	T	T	T	T	T
		6	T	T	T	T	T	T	T	T	T	T	T	T	T
		10		3[1]	3	3	3	4.5	7.5	8.5	T	T	T	T	T
		13				3[1]	3	4.5	5	7.5	T	7.5	T	T	T
		16				3[1]	3	4.5	5	7.5	T	7.5	T	T	T
		20				3[1]		3	5	6	T	6	T	T	T
		25						3[1]	5	6	T	6	T	T	T
		32						3[1]		6	7.5	6	T	T	T
		40								6[1]	7.5	6	T	T	T

Supply side circuit-breaker 4P (load side circuit branched between one phase and the neutral)
Load side circuit-breaker 1P+N (230/240 V)

[1] Value valid for magnetic only supply side circuit-breaker
[2] Neutral at 50 %

MCCB – S2.. D @ 415 V

		Supply s	T2					T3										
		Version	N, S, H, L					N, S										
		Release	EL					TMD, MA										
		I_u [A]	160					250										
Load s.	Char.	I_n [A]	10	25	63	100	160	63	80	100	125[2]	125	160[2]	160	200[2]	200	250[2]	250
DS401M DS402M DS451M	B, C	≤4	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		6		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		10		T	T	T	T	7.5	8.5	T	T	T	T	T	T	T	T	T
		13			T	T	T	5	7.5	T	7.5	T	T	T	T	T	T	T
		16			T	T	T	5	7.5	T	7.5	T	T	T	T	T	T	T
		20			T	T	T	5	6	T	6	T	T	T	T	T	T	T
		25			T	T	T	5	6	T	6	T	T	T	T	T	T	T
		32			T	T	T		6	7.5	6	T	T	T	T	T	T	T
		40				T	T		6[1]	7.5		T	T	T	T	T	T	T

Supply side circuit-breaker 4P (load side circuit branched between one phase and the neutral)
Load side circuit-breaker 1P+N (230/240 V)

[1] Value valid for magnetic only supply side circuit-breaker
[2] Neutral at 50 %

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