

# Back-up protection

## Fuses NH/Tmax – S400/S450, S800

### 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).

Upstream: Fuse NH..gL/gG											
Downstream		Upstream		NH gL/gG							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]								
				25	40	63	80	100	125	160	200
S400M/S450M FS401M/FS451M FS403M/FS453M		I <sub>cn</sub> [kA] 10	all types	100	100	100	100	80	50	30	20
S400E/S450E FS401E/FS451E FS403E/FS453E		I <sub>cn</sub> [kA] 6	all types	100	100	70	40	25	15	10	–

Tmax – S800B @ 230/400V																	
			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 <sub>n</sub> [A]	I <sub>cu</sub> [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 @ 230/400V																
Downstream	Char.	I <sub>n</sub> [A]	I <sub>cu</sub> [kA]	Upstream	T1	T1	T1	T2	T3	T4	T2	T3	T4	T2	T4	T4
				Version	B	C	N	N	N	N	S	S	S	H	H	L
					16	25	36	36	36	36	50	50	50	70	70	85
S400E/S450E FS401E/FS451E FS403E/FS453E	B, C	6...10	6		16	25	30	36	36	36	36	40	40	40	30	40
		13...63							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
		13...63							25	36	25	40	50	40	50	40
S400M/S450M FS401M/FS451M FS403M/FS453M	B, D	6...10	10		16	25	30	36	36	36	40	40	40	50	40	50
		13...63							25	36	25	40	50	40	50	40

XT – S800B @ 230/400V																
Downstream	Char.	I <sub>n</sub> [A]	I <sub>cu</sub> [kA]	Upstream	XT1	XT1	XT1	XT2	XT3	XT4	XT1	XT2	XT3	XT4	XT1	XT2
				Version	B	C	N			S			H		L	V
					18	25	36			50			70		120	150
S800B	B, C	32...100	16		18	25	36	36	36	36	50	50	50	50	70	70
	D, K	125*			18	25	36	36	36	36	50	50	50	50	70	70

Sace XT – S400 @ 230/400V																
Downstream	Char.	I <sub>n</sub> [A]	I <sub>cu</sub> [kA]	Upstream	XT1	XT1	XT1	XT2	XT3	XT4	XT1	XT2	XT3	XT4	XT1	XT2
				Version	B	C	N			S			H		L	V
					18	25	36			50			70		120	150
FS400E S400E S450E	B, C	6...10	6		18	25	30	36	36	30	36	40	40	30	40	40
		13...63						16	36	30	36	16	40	30	40	40
FS400M S400M S450M	C, K	0.5...10	10		18	25	30	36	36	30	50	40	40	30	70	85
		13...63						25	36	30	25	40	40	30	60	60
FS400M S400M S450M	B, D	6...10	10		18	25	30	36	36	30	50	40	40	30	70	85
		13...63						25	36	30	25	40	40	30	60	60

Selectivity limits are specified in kA

# Back-up protection

## S800S – S60, -S200, -S200M, -S200P

S800S – S60 @ 230/400V												
Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [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 @ 230/400V												
Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [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	

Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [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 @ 230/400V												
Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [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 @ 230/400V												
Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [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	

Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [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 @ 230/400V												
Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [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	

Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [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 – S260, -S270

S800S – S260 @ 230/400V

		Upstream		S800S							
		Char.		B, C, D, K							
Down-stream		$I_{cu}$ [kA]	$I_n$ [A]	50							
				25	32	40	50	63	80	100	125
S260	B	6	6	50	50	50	50	50	50	50	50
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

S800S – S270 @ 230/400V

		Upstream		S800S							
		Char.		B, C, D, K							
Down-stream		$I_{cu}$ [kA]	$I_n$ [A]	50							
				25	32	40	50	63	80	100	125
S270	B	6	6	50	50	50	50	50	50	50	50
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

		Upstream		S800S							
		Char.		B, C, D, K							
Down-stream		$I_{cu}$ [kA]	$I_n$ [A]	50							
				25	32	40	50	63	80	100	125
S260	C	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

		Upstream		S800S							
		Char.		B, C, D, K							
Down-stream		$I_{cu}$ [kA]	$I_n$ [A]	50							
				25	32	40	50	63	80	100	125
S270	C	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

		Upstream		S800S							
		Char.		B, C, D, K							
Down-stream		$I_{cu}$ [kA]	$I_n$ [A]	50							
				25	32	40	50	63	80	100	125
S270	K, Z	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

# Back-up protection

## S800S – S280, -S400E, -S400M

S800S – S280 @ 230/400 V												
Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S280	B	10	6	50	50	50	50	50	50	50	50	50
			10	50	50	50	25	20	16	16	16	16
			13	50	50	50	25	20	16	16	16	16
		25	16	50	50	50	25	20	16	16	16	16
			20		50	50	25	20	16	16	16	16
			25			50	25	20	16	16	16	16
		15	32				25	20	16	16	16	16
			40					20	16	16	16	16
			50						16	16	16	16
		10	63							16	16	16

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

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

S800S – S400E @ 230/400 V												
Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S400E	B	6	6	50	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50	50
		6	16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
		6	32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
		6	63							50	50	50

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

S800S – S400M @ 230/400 V												
Down-stream	Char.	Upstream		S800S								
				B, C, D, K								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S400M S450M FS401M FS403M	B, D	10	4*...16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
		10	32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
		10	63							50	50	50

\* for B characteristic only

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

# Back-up protection

## S800S – SN201

**S800S – SN201 @ 230/400 V**

Down-stream	Char.	Upstream		S800S							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D, K							
				50							
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**

Down-stream	Char.	Upstream		S800S							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D, K							
				50							
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
									50	50	50

**S800S – SN201 L @ 230/400 V**

Down-stream	Char.	Upstream		S800S							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D, K							
				50							
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**

Down-stream	Char.	Upstream		S800S							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D, K							
				50							
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**

Down-stream	Char.	Upstream		S800S							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D, K							
				50							
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 @ 230/400V												
Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [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 @ 230/400V												
Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [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	

Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [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 @ 230/400V												
Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [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 @ 230/400V												
Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [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	

Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [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 @ 230/400V												
Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [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	

Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [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 – S260, -S270

S800N – S260 @ 230/400V

Down-stream	Char.	Upstream		S800N							
				B, C, D							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	36							
				25	32	40	50	63	80	100	125
S260	B	6	6	36	36	36	36	36	36	36	36
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

S800N – S270 @ 230/400V

Down-stream	Char.	Upstream		S800N							
				B, C, D							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	36							
				25	32	40	50	63	80	100	125
S270	B	6	6	36	36	36	36	36	36	36	36
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800N							
				B, C, D							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	36							
				25	32	40	50	63	80	100	125
S260	C	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800N							
				B, C, D							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	36							
				25	32	40	50	63	80	100	125
S270	C	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800N							
				B, C, D							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	36							
				25	32	40	50	63	80	100	125
S270	K, Z	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

Backup limit values indicated in kA

# Back-up protection

## S800N – S280, -S400E, -S400M

S800N – S280 @ 230/400V												
Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	36								
S280	B	10	6	36	36	36	36	36	36	36	36	36
			10	36	36	36	25	20	16	16	16	16
		25	13	36	36	36	25	20	16	16	16	16
			16	36	36	36	25	20	16	16	16	16
			20		36	36	25	20	16	16	16	16
			25			36	25	20	16	16	16	16
			32				25	20	16	16	16	16
		15	40					20	16	16	16	16
			50						16	16	16	16
		10	63							16	16	16

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

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

S800N – S400E @ 230/400V												
Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	36								
S400E	B	6	6	36	36	36	36	36	36	36	36	36
			10	36	36	36	36	36	36	36	36	36
			13	36	36	36	36	36	36	36	36	36
			16	36	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36	36
			25			36	36	36	36	36	36	36
			32				36	36	36	36	36	36
			40					36	36	36	36	36
			50						36	36	36	36
			63							36	36	36

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

S800N – S400M @ 230/400V												
Down-stream	Char.	Upstream		S800N								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	36								
S400M S450M FS401MB FS403MB	B, D	10	4*...16	36	36	36	36	36	36	36	36	36
			20		36	36	36	36	36	36	36	36
			25			36	36	36	36	36	36	36
			32				36	36	36	36	36	36
			40					36	36	36	36	36
			50						36	36	36	36
			63							36	36	36

\* for B characteristic only

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



# Back-up protection

## S800N – SN201

**S800N – SN201 @ 230/400 V**

Down-stream	Char.	Upstream		S800N							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D							
				36							
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**

Down-stream	Char.	Upstream		S800N							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D							
				36							
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**

Down-stream	Char.	Upstream		S800N							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D							
				36							
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**

Down-stream	Char.	Upstream		S800N							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D							
				36							
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**

Down-stream	Char.	Upstream		S800N							
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	B, C, D							
				36							
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 @ 230/400V												
Down-stream	Char.	Upstream		S800C								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	25								
S60	C	6	2	25	25	25	25	18	15	15	15	15
			4	25	25	25	25	18	15	15	15	15
			6	25	25	25	25	18	15	15	15	15
			8	25	25	25	25	18	15	15	15	15
			10	25	25	25	25	18	15	15	15	15
			13	25	25	25	25	18	15	15	15	15
			16	25	25	25	25	18	15	15	15	15
			20		25	25	25	18	15	15	15	15
			25			25	25	18	15	15	15	15
			32				25	18	15	15	15	15
			40					18	15	15	15	15
			50						15	15	15	15
			63							15	15	15

S800C – S200 @ 230/400V												
Down-stream	Char.	Upstream		S800C								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	25								
S200	B	10	6	25	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25	25
			13	25	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
			32				25	25	25	25	25	25
			40					25	25	25	25	25
			50						25	25	25	25
			63							25	25	25

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

S800C – S200L @ 230/400V												
Down-stream	Char.	Upstream		S800C								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	25								
S200L	C	6	6...8	25	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25	25
			13	25	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
			32				25	25	25	25	25	25
			40					25	25	25	25	25

S800C – S200M @ 230/400V												
Down-stream	Char.	Upstream		S800C								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	25								
S200M	B	15	6...16	25	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
			32				25	25	25	25	25	25
			40					25	25	25	25	25
			50						25	25	25	25
			63							25	25	25

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

S800C – S200P @ 230/400V												
Down-stream	Char.	Upstream		S800C								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	25								
S200P	B	25	6...16	25	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
		15	32				25	25	25	25	25	25
			40					25	25	25	25	25
			50						25	25	25	25
			63							25	25	25

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

Backup limit values indicated in kA

# Back-up protection

## S800C – S260, -S270

S800C – S260 @ 230/400V

Down-stream	Char.	Upstream		S800C							
				B, C, D							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S260	B	6	6	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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

S800C – S270 @ 230/400V

Down-stream	Char.	Upstream		S800C							
				B, C, D							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S270	B	6	6	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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800C							
				B, C, D							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S260	C	6	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
			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
			32				25	20	16	16	16
S260	C	6	40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800C							
				B, C, D							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S270	C	6	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
			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
			32				25	20	16	16	16
S270	C	6	40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800C							
				B, C, D							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S270	K, Z	6	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
			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
			32				25	20	16	16	16
S270	K, Z	6	40					20	16	16	16
			50						16	16	16
			63							16	16

# Back-up protection

## S800C – S280, -S400E, -S400M

S800C – S280 @ 230/400V												
Down-stream	Char.	Upstream		S800C								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	25								
S280	B	10	6	25	25	25	25	25	25	25	25	25
			10	25	25	25	25	20	16	16	16	16
		25	13	25	25	25	25	20	16	16	16	16
			16	25	25	25	25	20	16	16	16	16
			20		25	25	25	20	16	16	16	16
			25			25	25	20	16	16	16	16
		15	32				25	20	16	16	16	16
			40					20	16	16	16	16
		10	50						16	16	16	16
			63							16	16	16

S800C – S400E @ 230/400V												
Down-stream	Char.	Upstream		S800C								
				B, C, D								
		$I_{cu}$ [kA]	$I_n$ [A]	25								
S400E	B	6	6	25	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25	25
		6	13	25	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
		6	32				25	25	25	25	25	25
			40					25	25	25	25	25
		6	50							25	25	25
			63								25	25

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

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

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

Backup limit values indicated in kA

# Back-up protection

## S800C – S400M

S800C – S400M @ 230/400V

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

\* for B characteristic only

		Upstream		S800C							
	Char.			B, C, D							
Down-stream		I <sub>cu</sub> [kA]	In [A]	25							
				25	32	40	50	63	80	100	125
S400M S450M	C	25	3...20	25	25	25	25	25	25	25	25
		15	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 <sub>cu</sub> [kA]	In [A]	25							
				25	32	40	50	63	80	100	125
S400M S450M	K	25	3...20	25	25	25	25	25	25	25	25
		10	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	

# Back-up protection

## S800C – SN201

S800C – SN201 @ 230/400 V												
Down-stream	Char.	Upstream		S800C								
				B, C, D, K								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	25								
				25	32	40	50	63	80	100	125	
SN201	B, D	10	6	25	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25	25
			20			25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
			32				25	25	25	25	25	25
			40					25	25	25	25	25

S800C – SN201 @ 230/400 V												
Down-stream	Char.	Upstream		S800C								
				B, C, D, K								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	25								
				25	32	40	50	63	80	100	125	
SN201	C	10	2	25	25	25	25	25	25	25	25	25
			4	25	25	25	25	25	25	25	25	25
			6	25	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
			32				25	25	25	25	25	25
			40					25	25	25	25	25

S800C – SN201L @ 230/400 V												
Down-stream	Char.	Upstream		S800C								
				B, C, D, K								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	25								
				25	32	40	50	63	80	100	125	
SN201L	B, C	6	2	25	25	25	25	18	15	15	15	15
			4	25	25	25	25	18	15	15	15	15
			6	25	25	25	25	18	15	15	15	15
			10	25	25	25	25	18	15	15	15	15
			16	25	25	25	25	18	15	15	15	15
			20		25	25	25	18	15	15	15	15
			25			25	25	18	15	15	15	15
			32				25	18	15	15	15	15
			40					18	15	15	15	15

S800C – SN201M @ 230/400 V												
Down-stream	Char.	Upstream		S800C								
				B, C, D, K								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	25								
				25	32	40	50	63	80	100	125	
SN201M	B	10	6	25	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
			32				25	25	25	25	25	25
			40					25	25	25	25	25

S800C – SN201M @ 230/400 V												
Down-stream	Char.	Upstream		S800C								
				B, C, D, K								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	25								
				25	32	40	50	63	80	100	125	
SN201M	C	10	2	25	25	25	25	25	25	25	25	25
			4	25	25	25	25	25	25	25	25	25
			6	25	25	25	25	25	25	25	25	25
			10	25	25	25	25	25	25	25	25	25
			16	25	25	25	25	25	25	25	25	25
			20		25	25	25	25	25	25	25	25
			25			25	25	25	25	25	25	25
			32				25	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 <sub>cu</sub> [kA]								
			I <sub>n</sub> [A]	32	40	50	63	80	100	125*	
S200	B	10	6	16	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16	16
			25		16	16	16	16	16	16	16
			32			16	16	16	16	16	16
			40				16	16	16	16	16
			50					16	16	16	16
			63						16	16	16

		Upstream		S800B							
		Char.		B, C, D, K							
Down-stream		I <sub>cu</sub> [kA]									
		I <sub>n</sub> [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	
						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 <sub>cu</sub> [kA]									
			I <sub>n</sub> [A]	32	40	50	63	80	100	125*		
S200M	B	15	6	16	16	16	16	16	16	16	16	
			10	16	16	16	16	16	16	16	16	
			13	16	16	16	16	16	16	16	16	
			16	16	16	16	16	16	16	16	16	
			20	16	16	16	16	16	16	16	16	
			25		16	16	16	16	16	16	16	
			32			16	16	16	16	16	16	
			40				16	16	16	16	16	
		10	50						16	16	16	16
			63						16	16	16	16

		Upstream		S800B							
		Char.		B, C, D, K							
Down-stream		I <sub>cu</sub> [kA]	I <sub>n</sub> [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	16
			63					16	16	16	16

\* only S800B-B,C

# Back-up protection

## S800B – S400

S800B – S400E @ 230/400 V											
Down-stream	Char.	Upstream		S800B							
		I <sub>cu</sub> [kA]	B, C, D, K								
			I <sub>n</sub> [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											
Down-stream	Char.	Upstream		S800B							
		I <sub>cu</sub> [kA]	B, C, D, K								
			I <sub>n</sub> [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 <sub>cu</sub> [kA]	I <sub>n</sub> [A]	32	40	50	63	80	100	125*	
S400M	C	10	2	16	16	16	16	16	16	16	16
			3	16	16	16	16	16	16	16	16
			4	16	16	16	16	16	16	16	16
			6	16	16	16	16	16	16	16	16
			8	16	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16	16
			25		16	16	16	16	16	16	16
			32			16	16	16	16	16	16
			40				16	16	16	16	16
			50					16	16	16	16
			63						16	16	16

		Upstream		S800B								
		Char.	B, C, D, K									
Down-stream			I <sub>cu</sub> [kA]									
			I <sub>n</sub> [A]	32	40	50	63	80	100	125*		
S400M	K	10	0.5..6	16	16	16	16	16	16	16	16	
			8	16	16	16	16	16	16	16	16	
			10	16	16	16	16	16	16	16	16	
			13	16	16	16	16	16	16	16	16	
			16	16	16	16	16	16	16	16	16	
			20	16	16	16	16	16	16	16	16	
			25		16	16	16	16	16	16	16	
			32			16	16	16	16	16	16	
			40				16	16	16	16	16	
			50					16	16	16	16	
			63						16	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 <sub>cu</sub> [kA]								
			I <sub>n</sub> [A]	32	40	50	63	80	100	125*	
SN201	B, D	10	6	16	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16	16
			25		16	16	16	16	16	16	16
			32			16	16	16	16	16	16
		40				16	16	16	16	16	

		Upstream		S800B							
		Char.	B, C, D, K								
Down-stream			I <sub>cu</sub> [kA]								
			I <sub>n</sub> [A]	32	40	50	63	80	100	125*	
SN201	C	10	2	16	16	16	16	16	16	16	16
			4	16	16	16	16	16	16	16	16
			6	16	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16	16
			25		16	16	16	16	16	16	16
			32			16	16	16	16	16	16
			40				16	16	16	16	16

		Upstream		S800B								
		Char.	B, C, D, K									
Down-stream			I <sub>cu</sub> [kA]									
				I <sub>n</sub> [A]	32	40	50	63	80	100	125*	
SN201 L	B, C	6	2		16	16	16	16	16	15	15	15
			4		16	16	16	16	16	15	15	15
			6		16	16	16	16	16	15	15	15
			10		16	16	16	16	15	15	15	15
			16		16	16	16	16	15	15	15	15
			20		16	16	16	16	15	15	15	15
			25			16	16	16	15	15	15	15
			32				16	16	15	15	15	15
			40					16	15	15	15	15

		Upstream		S800B						
		Char.	B, C, D, K							
Down-stream			I <sub>cu</sub> [kA]							
			I <sub>n</sub> [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 <sub>cu</sub> [kA]									
				I <sub>n</sub> [A]	32	40	50	63	80	100	125	
SN201 M	C	10	2		16	16	16	16	16	16	16	16
			4		16	16	16	16	16	16	16	16
			6		16	16	16	16	16	16	16	16
			10		16	16	16	16	16	16	16	16
			16		16	16	16	16	16	16	16	16
			20		16	16	16	16	16	16	16	16
			25			16	16	16	16	16	16	16
			32				16	16	16	16	16	16
			40					16	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 @ 230/400V												
Down-stream	Char.	Upstream		S800U								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	K, Z								
				50								
S60	C	6	2	50	50	50	25	18	15	15	15	15
			4	50	50	50	25	18	15	15	15	15
			8	50	50	50	25	18	15	15	15	15
			10	50	50	50	25	18	15	15	15	15
			13	50	50	50	25	18	15	15	15	15
			16	50	50	50	25	18	15	15	15	15
			20		50	50	25	18	15	15	15	15
			25			50	25	18	15	15	15	15
			32				25	18	15	15	15	15
			40					18	15	15	15	15
			50						15	15	15	15
			63							15	15	15

S800U – S200L @ 230/400V												
Down-stream	Char.	Upstream		S800U								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	K, Z								
				50								
S200L	C	6	6...8	50	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
			32				50	50	50	50	50	50
			40					50	50	50	50	50

S800U – S200 @ 230/400V												
Down-stream	Char.	Upstream		S800U								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	K, Z								
				50								
S200	B	10	6	50	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
			32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
			63							50	50	50

S800U – S200M @ 230/400V												
Down-stream	Char.	Upstream		S800U								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	K, Z								
				50								
S200M	B	15	6...16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
			32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
			63							50	50	50

S800U – S200 @ 230/400V												
Down-stream	Char.	Upstream		S800U								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	K, Z								
				50								
S200	B	10	0.5...6	50	50	50	50	50	50	50	50	50
			8	50	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
			32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
			63							50	50	50

S800U – S200M @ 230/400V												
Down-stream	Char.	Upstream		S800U								
		I <sub>cu</sub> [kA]	I <sub>n</sub> [A]	K, Z								
				50								
S200M	C	15	0.5...16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
			32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
			63							50	50	50

Backup limit values indicated in kA

# Back-up compliant to IEC 60947-2

## S800U – S200P, -S260, -S270

S800U – S200P @ 230/400V

Down-stream	Char.	Upstream		S800U							
				K, Z							
		$I_{cu}$ [kA]	$I_n$ [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
			32				50	50	50	50	50
			40					50	50	50	50
		15	50						50	50	50
			63							50	50

Down-stream	Char.	Upstream		S800U							
				K, Z							
		$I_{cu}$ [kA]	$I_n$ [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
			32				50	50	50	50	50
			40					50	50	50	50
		15	50						50	50	50
			63							50	50

S800U – S260 @ 230/400V

Down-stream	Char.	Upstream		S800U							
				K, Z							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S260	B	6	6	50	50	50	50	50	50	50	50
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800U							
				K, Z							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S260	C	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

S800U – S270 @ 230/400V

Down-stream	Char.	Upstream		S800U							
				K, Z							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S270	B	6	6	50	50	50	50	50	50	50	50
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800U							
				K, Z							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S270	C	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

Down-stream	Char.	Upstream		S800U							
				K, Z							
		$I_{cu}$ [kA]	$I_n$ [A]	25	32	40	50	63	80	100	125
S270	K, Z	6	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
			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
			32				25	20	16	16	16
			40					20	16	16	16
			50						16	16	16
			63							16	16

# Back-up compliant to IEC 60947-2

## S800U – S280, -S400E, -S400M

S800U – S280 @ 230/400V												
Down-stream	Char.	Upstream		S800U								
				K, Z								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S280	B	10	6	50	50	50	50	50	50	50	50	50
			10	50	50	50	25	20	16	16	16	16
		25	13	50	50	50	25	20	16	16	16	16
			16	50	50	50	25	20	16	16	16	16
			20		50	50	25	20	16	16	16	16
			25			50	25	20	16	16	16	16
			32				25	20	16	16	16	16
		15	40					20	16	16	16	16
			50						16	16	16	16
		10	63							16	16	16

S800U – S400E @ 230/400V												
Down-stream	Char.	Upstream		S800U								
				K, Z								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S400E	B	10	6	50	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50	50
		25	13	50	50	50	50	50	50	50	50	50
			16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
			32				50	50	50	50	50	50
		6	40					50	50	50	50	50
			50						50	50	50	50
		63								50	50	50

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

Down-stream	Char.	Upstream		S800U								
				K, Z								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S400E	C	10	0.5...6	50	50	50	50	50	50	50	50	50
			8	50	50	50	50	50	50	50	50	50
			10	50	50	50	50	50	50	50	50	50
			13	50	50	50	50	50	50	50	50	50
		25	16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
			32				50	50	50	50	50	50
			40					50	50	50	50	50
		6	50						50	50	50	50
			63							50	50	50

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

S800U – S400M @ 230/400V												
Down-stream	Char.	Upstream		S800U								
				K, Z								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S400M S450M	B, D	10	4*...16	50	50	50	50	50	50	50	50	50
			20		50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
			32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
			63							50	50	50

\* only applies to B characteristic

Down-stream	Char.	Upstream		S800U								
				K, Z								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S400M S450M	C	25	3...20	50	50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
		15	32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
			63							50	50	50

Down-stream	Char.	Upstream		S800U								
				K, Z								
		$I_{cu}$ [kA]	$I_n$ [A]	50								
S400M S450M	K	25	3...20	50	50	50	50	50	50	50	50	50
			25			50	50	50	50	50	50	50
		10	32				50	50	50	50	50	50
			40					50	50	50	50	50
			50						50	50	50	50
			63							50	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) @ 240V AC

Downstream	Char.	Upstream		Fuse	
		I <sub>cu</sub> [A]	I <sub>n</sub> [kA]	max. 250	max. 250
S800U	K, Z	30	10...80	30	30
			10...100	30	30

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

Downstream	Char.	Upstream		Fuse	
		I <sub>cu</sub> [A]	I <sub>n</sub> [kA]	max. 250	max. 250
S800U	K, Z	50	10...80	50	50
			10...100	50	50

### Sace Tmax – S800U (1-pole) @ 240V AC

			Upstream	T4	T4	T4	T4	T4	T5	T5	T5	T5	T5	
				N	S	H	L	V	N	S	H	L	V	
		I <sub>cu</sub> [A]		65	100	150	200	200	65	100	150	200	200	
Downstream	Char.	30	I <sub>n</sub> [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	30
			90...100	30	30	30	30	30	30	30	30	30	30	30

### Sace Tmax – S800U (multipole) @ 240V AC

			Upstream	T4	T4	T4	T4	T4	T5	T5	T5	T5	T5
				N	S	H	L	V	N	S	H	L	V
		I <sub>cu</sub> [kA]		65	100	150	200	200	65	100	150	200	200
Downstream	Char.	50	I <sub>n</sub> [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

# Back-up protection

## Tmax/XT – S800

### Tmax – S800 @ 415 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 <sub>n</sub> [A]	I <sub>cu</sub> [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 @ 415 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 <sub>n</sub> [A]	I <sub>cu</sub> [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 @ 254/440V

		Upstream		S800S							
			Char.	B, C, D, K							
Downstream	Char.	I <sub>cu</sub> [kA]		30							
S400M S450M	C, K		I <sub>n</sub> [A]	25	32	40	50	63	80	100	125
		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 @ 254/440V

		Upstream		S800N							
			Char.	B, C, D, K							
Downstream	Char.	I <sub>cu</sub> [kA]		20							
S400M S450M	C, K		I <sub>n</sub> [A]	25	32	40	50	63	80	100	125
		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