

## Short Circuit Current $I_k$

### Fronius International GmbH

declares the following values for the initial short-circuit alternating current  $I_k''$  and the maximum switch current factor  $k_{imax}$ .

	$I_k''$	$k_{imax}$
Fronius Symo 20.0-3-M	32 A (1.10 $I_N^*$ )	0.33
Fronius Symo 17.5-3-M	32 A (1.26 $I_N^*$ )	0.33
Fronius Symo 15.0-3-M	32 A (1.47 $I_N^*$ )	0.33
Fronius Symo 12.5-3-M	20 A (1.10 $I_N^*$ )	0.33
Fronius Symo 10.0-3-M	20 A (1.38 $I_N^*$ )	0.33
* $I_N$ at 230V		

The steady state short-circuit current  $I_k$  is dependent on the country setup/configuration:

$I_k = 0A$  in case Voltage Fault Ride Through is off or Zero Current Mode

$I_k = \max. I_k''$  in case current support is activated during Voltage Fault Ride Through

Peak current during first halfwave  $i_p$  is also defined by  $I_k''$ :

$$i_p = 1.42 I_k''$$

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