

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}
Tauro 50-3-D/P	76 A (1.05 I_N^*)	1.02
Tauro Eco 50-3-D/P	76 A (1.05 I_N^*)	1.03
Tauro Eco 99-3-D/P	152 A (1.05 I_N^*)	1.01
Tauro Eco 100-3-D/P	152 A (1.05 I_N^*)	1.01
* 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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