

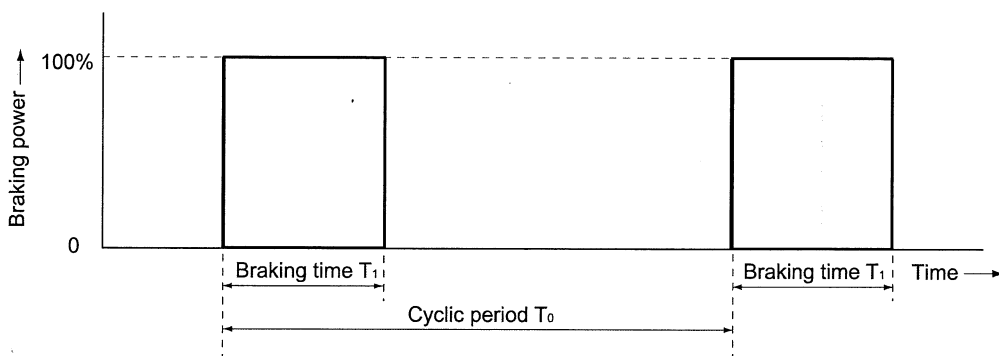
1. Three-phase 200V series

0.4-22kW : FRN□□G1□-2□□□

Inverter Capacity [kW]	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22
Allowable minimum resistor [Ω]	100		40		24	16	12	8	6	4	
Maximum braking torque	180%		180%			180%			180%		
%ED	100%		70%			50%			50%		

30-55kW : FRN□□G1□-2□BU

Inverter Capacity [kW]	30	37	45	55
Allowable minimum resistor [Ω]	2.5	2.25	2	1.6
Maximum braking torque	150%			
%ED	100%			



$$\%ED = \frac{T1}{T0} \times 100\% \quad T0 \leq 100\text{sec}$$

Drawn	Checked	Approved	Fuji Electric Systems Design Dept.	Date	March 11 2009
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INV Technical Information	Title	Internal Braking Transistor (Inv series : FRN-G1)
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2. Three-phase 400V series

0.4-22kW : FRN□□G1□-4□□□

Inverter Capacity [kW]	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22
Allowable minimum resistor [Ω]	200		160		96	64	48	32	24	16	
Maximum braking torque	180%		180%			180%			180%		
%ED	100%		70%			50%			50%		

30-160kW : FRN□□G1□-4□BU

Inverter Capacity [kW]	30	37	45	55	75	90	110	132	160
Allowable minimum resistor [Ω]	10	9	8	6.5	4.7	3.9	3.2	2.6	2.2
Maximum braking torque	150%								
%ED	100%								

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