

■ Information on software version up

Following information is changed specification points by software version up (Ver. 650 → 652).

The software version can be checked by the "CPU1 version" of status monitor.

Please refer to "8.2 Monitoring the status".

The software version would be changed without preliminary announcement.

Item	Changed contents	Page																																											
Added the function in parameter Pb	Pb : Dynamic braking selection Adjustment range : : $0 \sim 2 \rightarrow 0 \sim 8$ The dynamic braking function works on the following conditions. <table><tr><th>Setting</th><th>Braking function</th><th>trip *1) condition</th><th>ST-off</th><th>overload detect</th></tr><tr><td>0</td><td>Disabled</td><td>—</td><td>—</td><td>—</td></tr><tr><td>1</td><td rowspan="8">Enabled</td><td>Enabled</td><td>Enabled</td><td>protect</td></tr><tr><td>2</td><td>Enabled</td><td>Enabled</td><td>not protect</td></tr><tr><td>3</td><td>Enabled</td><td>Disabled</td><td>protect</td></tr><tr><td>4</td><td>Enabled</td><td>Disabled</td><td>not protect</td></tr><tr><td>5</td><td>Disabled</td><td>Enabled</td><td>protect</td></tr><tr><td>6</td><td>Disabled</td><td>Enabled</td><td>not protect</td></tr><tr><td>7</td><td>Disabled</td><td>Disabled</td><td>protect</td></tr><tr><td>8</td><td>Disabled</td><td>Disabled</td><td>not protect</td></tr></table>	Setting	Braking function	trip *1) condition	ST-off	overload detect	0	Disabled	—	—	—	1	Enabled	Enabled	Enabled	protect	2	Enabled	Enabled	not protect	3	Enabled	Disabled	protect	4	Enabled	Disabled	not protect	5	Disabled	Enabled	protect	6	Disabled	Enabled	not protect	7	Disabled	Disabled	protect	8	Disabled	Disabled	not protect	5.19
Setting	Braking function	trip *1) condition	ST-off	overload detect																																									
0	Disabled	—	—	—																																									
1	Enabled	Enabled	Enabled	protect																																									
2		Enabled	Enabled	not protect																																									
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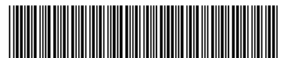
*1) The state of UL trip is excluded.

■ Precautions for Using function $F707$

This parameter is used to specify step width in which the frequency command value in panel.

 CAUTION	
 MANDATORY	When using $F707$ function, set the parameter following. $F707$ (Changing step selection 1) < $F241$ (operation start frequency) $F242$ (operation start frequency hysteresis) = 0

If you press the Up key on the panel repeatedly to increase the frequency while $F707$ is set to any value other than 0, the "HI" alarm will appear immediately before the frequency exceeds the UL (Upper limit frequency) and the frequency will stop increasing. Similarly, if you press the Down key on the panel repeatedly to decrease the frequency, the "LO" alarm will appear immediately before the frequency decreases below the LL (lower-limit frequency) and the frequency will stop decreasing.



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Sensorless vector/vector with sensor (●:Effective, -:Ineffective)

Title	Communication No.	Function	Adjustment range				Minimum setting unit (Panel/Communication)	Default setting	Write during running	Vector control	PM control	V/f	Reference	Remarks
Pb	0304	Dynamic braking selection	Setting	Braking function	ST-off	overload detect	1/1	0	Disabled	●/●	●	●	5.19	Change
			0	Disabled	—	—								
			1	Enabled (It is effective in trip. condition.) *1)	Enabled	protect								
			2			not protect								
			3		Disabled	protect								
			4			not protect								
			5	Enabled (It isn't effective in trip. condition)	Enabled	protect								
			6			not protect								
			7		Disabled	protect								
			8			not protect								

*1) The state of $\overline{GTR}$ trip is excluded.