

February 21, 2017

Motor Business Unit,  
Electromechanical Control Business Division,  
Automotive & Industrial Systems Company,  
Panasonic Corporation

**Specification Change Notice**  
**for AC Servo Motor 20 bit Incremental Encoder**

Thank you for using our products.

This is to notify about the change in AC Servo Motor 20 bit incremental encoder's specification.

We greatly appreciate your understanding and cooperation in this matter.

■ Affected product model

AC servo motor equipped with 20 bit incremental encoder

Product model numbers whose 8th character is "G" (indicates the encoder specification)

MSMD***G◇◇◇◇	MSME***G◇◇◇◇
MHMD***G◇◇◇◇	MHME***G◇◇◇◇
MDME***G◇◇◇◇	MFME***G◇◇◇◇
MGME***G◇◇◇◇	

The asterisks \* for the 5th to 7th digits indicate the motor rated output and voltage of the motor.

The 9th character and after indicate the motor structure in 2 to 4 alphanumeric characters.

■ Description of changes / reasons

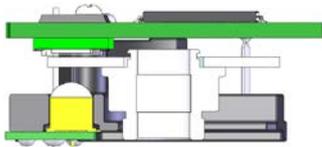
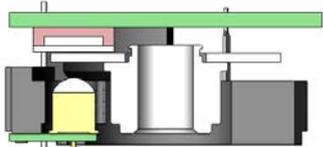
The electrical circuit and structure will be changed in order to avoid component availability risk.

<Motor structure and appearance>

There will be no change.

This change will not affect the motor characteristics, reliability, and environmental impact substances.

<Comparison of encoder structure>

	After the change	Current model
Appearance/ cross-section		

**\*Do not disassemble the motor encoder cover.**

<Comparison of encoder electrical specification> No change will be made.

		After the change	Current model
Resolution per single turn		20-bit	←
Main power voltage		5 V±0.25 V	←
Main power consumption current		Max. 150 mA	←
Communication specification	Communication rate	2.5 Mbps	←
	Synchronization	Asynchronous method	←
	Communication code	Binary code	←
	Communication format	MINAS format	←
	Transmitting and receiving method	RS485 compatible	←

■ Timing

The change will be carried out starting from April 2017 production onwards.