February 2017

Dear All the Customers

Sigma Koki Co., Ltd.
Sales Department

Notice of the Part Number Change due to Micro Photo Sensor Change

Thank you very much for your constant patronage.

Micro photo sensors used in the internal part of Motorized Stages will be changed due to the end of production by its manufacturer. (Change①)
Some of the motors will be changed, too. (Change②)

Old model will be discontinued after the stock is out, and new model is scheduled to start sales from the middle April, 2017.

In the event that we receive the request for quotation or purchase order of the old model, please be noted that there is a possibility that part number will be changed if the old model is out of stock.
You can check the stock status from the item page of web catalog.

Please do not hesitate to contact us if you have any questions.
Thank you for your continued support.

Change①

Before Change (Current part Number)

Part Number	Sensor Part Number
SGSP-40YAW	PM-F24
SGSP-60YAW-0B	PM-R24
SGSP-60YAW-W-0B	PM-R24
SGSP-80YAW	PM-F24
SGSP-120YAW-W	PM-F24
SGSP-120YAW	PM-F24
SGSP-160YW	PM-F24
OSMS40-5ZF	PM-U24
OSMS80-20ZF	PM-U24
KLSS-100X	PM-L24
KLSS-200X	PM-L24
KLSA-100X	PM-L24
KLSA-200X	PM-L24
SGMV20-35(X)	PM-L24
SGMV20-80(X)	PM-L24
SGMV26-100(X)	PM-L24
SGMV26-200(X)	PM-L24
HST-120YAW	PM-U24
HST-160YAW	PM-F24

After Change

Part Number	Sensor Part Number
OSMS-40YAW	**PM-F25**
OSMS-60YAW	**PM-R25**
OSMS-60YAW-W	**PM-R25**
OSMS-80YAW	**PM-F25**
OSMS-120YAW-W	**PM-F25**
OSMS-120YAW	**PM-F25**
OSMS-160YAW	**PM-F25**
OSMS40-5ZF-0B	**PM-U25**
OSMS80-20ZF-0B	**PM-U25**
KLSS-100X-0B	**PM-L25**
KLSS-200X-0B	**PM-L25**
KLSA-100X-0B	**PM-L25**
KLSA-200X-0B	**PM-L25**
SGMV20-35(X)-0B	**PM-L25**
SGMV20-80(X)-0B	**PM-L25**
SGMV26-100(X)-0B	**PM-L25**
SGMV26-200(X)-0B	**PM-L25**
HST-120YAW-0B	**PM-U25**
HST-160YAW-0B	**PM-F25**

Change②

The motor of the **OSMS-40YAW, 60YAW,** and **60YAW-W** will be changed as below.
The shape and the size of the motor will remain the same.

	SGSP-YAW	**OSMS-YAW**
Type	5-phase stepping motor 0.66A/phase (Tamagawa Seiki Co., Ltd.)	**5-phase stepping motor** **0.75A/phase** **(Tamagawa Seiki Co., Ltd.)**
Motor Part Number	TS3664N4	**TS3664N4E10**

(Reference)

PM-*24

Hysteresis	0.05mm or less	
Repeatability	0.03mm or less	
Supply voltage	5 to 24 V DC plus or minus 10 % Ripple P-P 10 % or less	
Current consumption	15 mA or less	
Output	<NPN Output type>	<PNP Output type>
	NPN open-collector transistor	PNP open-collector transistor
	・Maximum sink current: 50 mA	・Maximum source current: 50 mA
	・Applied voltage: 30 V DC or less (between output and 0 V)	・Applied voltage: 30 V DC or less (between output and + V)
	・Residual voltage: 0.7 V or less (at 50 mA sink current),	・Residual voltage: 0.7 V or less (at 50 mA source current),
	0.4 V or less (at 16 mA sink current)	0.4 V or less (at 16 mA source current)
Output: Output operation	Incorporated with 2 outputs: Light-ON / Dark-ON	
Response time	Under light received condition: 20 micros or less, Under light interrupted condition: 100 micros or less (Response frequency: 1 kHz or more)	

PM-*25

Hysteresis	0.05mm or less	
Repeatability	0.01mm or less	
Supply voltage	5 to 24 V DC plus or minus 10 % Ripple P-P 10 % or less	
Current consumption	15 mA or less	
Output	<NPN Output type>	<PNP Output type>
	NPN open-collector transistor	PNP open-collector transistor
	・Maximum sink current: 50 mA	・Maximum source current: 50 mA
	・Applied voltage: 30 V DC or less (between output and 0 V)	・Applied voltage: 30 V DC or less (between output and + V)
	・Residual voltage: 2 V or less (at 50 mA sink current),	・Residual voltage: 2 V or less (at 50 mA source current),
	1 V or less (at 16 mA sink current)	1 V or less (at 16 mA source current)
Output: Output operation	Incorporated with 2 outputs: Light-ON / Dark-ON	
Output: Short-circuit prot	Equipped	
Response time	Under light received condition: 20 micros or less, Under light interrupted condition: 80 micros or less (Maximum response frequency: 3 kHz or more)	