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R	APPROVED					
Е V	DESIGNED			MODEL	27H70	1E010
	APPROVED	I.MIYAJI	08/08/08		6D100A4	201 000
	CHECKED	Y.MORIOKA	08/08/08	DRAWING NO.	SP 198A1	291-000
	DESIGNED	E.IWASHITA	08/05/21	DC BRUSHI FS	S MOTOR	Sheet 1 of 14
	DRAWN	N.TAKAKI	08/05/21			
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SPECIFICATION FOR DC BRUSHLESS MOTOR

- 3. Characteristics 特性
- Characteristics should be specified at a temp. of 20 [°C]±5[°C], relative humidity 80[%]Max if it has no special instruction.

特に指示無き項目は、仕様環境下を適応する。〈温度:20[℃]±5[℃]、湿度:80[%]以下〉

0 1.1			
No.	Item 項目	Specification 規格	Note 備考
1	Dielectric strength	AC 600[V]	Check between all shorted
	絶縁耐力	1[sec]	terminals and motor cover.
		1[mA]	全端子面ショート – カバー間にて
			チェック
2	Insulation resistance	DC500[V]	Check between all shorted
	絶縁抵抗	10[MΩ] Min.	terminals and motor cover.
			全端子面ショート – カバー間にて
			チェック
3	No load current	0.36[A] Max.	DC 24[V]
	無負荷電流		Refer to T-I, T-N curve
			(Section11).
			11 項のトルク線図による。
4	No load speed	$4700 \pm 10\%$ [min ⁻¹]	DC 24[V]
	無負荷回転数		Refer to T-I, T-N curve
			(Section11).
			11 項のトルク線図による

3-1. Electrical characteristics 電気特性

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CHECKED		Y.MORIOKA	08/08/08	DRAWING NO. 3F 190A1291-		291-000
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SPECIFICATION FOR DC BRUSHLESS MOTOR

5	ST/SP								
	Input voltage	IN	0[V] ~ 5[V]	High Motor Start モータスタート					
	range			Low Motor Stop モータストップ					
	入力電圧範囲								
	VIH		2.5[V] Min.						
	VIL		1.0[V] Max.						
6	GND	IN	Ground	Ground					
7	Vm	IN	DC 24 [V] ±10%	Power supply					

Note) • Do not change CW/CCW input until motor has stopped completely.

備考) CW/CCW の切り替えはモータが停止した状態で行って下さい。

 If you change the CW/CCW signal during motor running, motor may have some damage or be destroyed.

回転中に CW/CCW を切り替えるとモータ内部の電子部品が破壊する恐れがあります。

For input function (CW/CCW,ST/SP), please follow the below procedure for motor start up/ stop.
入力機能(CW/CCW 機能、ST/SP 機能)は、モータ起動時及び停止時、以下の順序で
ご使用願います。

Start up モータ起動時

 $5[V] \rightarrow V_m \rightarrow$ Input signals.

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SPECIFICATION FOR DC BRUSHLESS MOTOR

15. No fumigation treatment 燻蒸処理禁止

Exposure of this product's bearing to corrosive gas may cause corrosion,

which may affect the motor's characteristics and durability.

本製品の軸受は、腐食性ガスの暴露により腐食が生じ、

モータ特性および寿命に影響を与える可能性があります。

Therefore, the motor's characteristics cannot be guaranteed if any wooden packing materials are fumigated together with packing boxes containing the product.

よって、輸出入検疫時の木製梱包材への燻蒸処理について、

弊社製品の入った梱包箱と同時に燻蒸処理した場合はモータの特性を保証できません。

Please check your transportation before mass production.

事前に流通ルート確認頂きますよう御願い致します。

16. Change history

Date	Rev.	No.	Sheet	Before	After	Design	Approved

R E V	APPROVED				27H701E010		
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APPROVED		I.MIYAJI	08/08/08		SD108A1	D108A1201 000	
	CHECKED	Y.MORIOKA	08/08/08	DIVAMING NO.	3F 190A 1	291-000	
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