

MODEL: RD925G-QA1-*****-0HXA

ltem<項目>	Test methods<試驗方法>	Performance<性能>
Total rotational	Determined by measuring the rotational	
angle/travel	angle(travel) when the shaft(lever) is	
全迴轉角度/行程	turned(moved) from the end position of	
	terminal 1 to the end position of terminal	300°±10°
	3.	500 I 10
	軸(柄)置予1端最底部移往3端最底部之旋轉角度(移 動行程).	
Rotation torque	Determined by measuring the	
迴轉扭力	torque(operating force) necessary to	
	turn(move) the shaft(lever). Unless	
	otherwise specified, measurement shall be	
	made at ambient temperature of 5 to	
	35°C, and the shaft rotational speed shall	60±40 gf-cm
	be 60° per second and the lever traveling	oozto grom
	speed 20mm per second.	
	測定扭力必須要旋轉軸或移動推柄,周圍溫度在	
	5~35°C時,軸以每秒60°速度轉動,推柄以每秒20mm	
	速度滑動,特殊品除外.<以扭力計或拉力計測得>	
Shaft rotational	With the shaft(lever) placed at the end of	
	terminal 1, a specified torsional	
軸的止迴轉強度	moment(force) shall be applied in that	
	direction for 10 seconds. Next, the	
	shaft(lever) shall be placed at the end of	
	terminal 3 and a specified torsional	
	moment(force) shall be applied similarly,	4 kgf-cm
	to check the operating part and other	
	related sections for deformation,	
÷	breakage, etc.	
	軸從1端移至止擋點或從3端移至止擋點10秒後,直 至破壞之力量.< 以扭力計測得>	
Push-pull strength		
h推拉強度	A specified force shall be applied in the axial direction of the shaft(lever) for 10	
minin (mining)	seconds to check the operating part and	
	other sections for deformation, breakage,	push=4 kgf
	operating condition, etc.	
	以軸(柄)的軸線方向施加力量,經10秒後,核對部份動	pull=3 kgf
	作之有無斷面變形、破損、等情況.	

Mechanical characteristics:機械的性能:

Electrical characteristics:電氣的性能:

Item<項目>	Test methods<試驗方法>	Performance<性能>	
Resistance taper 阻値線性	With the shaft(lever) placed in the specified position, shall be determined by measuring the voltage between the specified terminals(between terminals 1 and 2 or between terminal 2 and 3) and calculating the percentage in reference to the voltage between terminals 1 and 3. 軸(柄)在特別位置測定特別端子間的電壓(端子 1 至 端子 2 之間或端子 2 至端子 3 之間)參考端子 1 到端 子 3 之間的電壓計算的百分比.	A/B/C	

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Residual resistance 殘留阻値	With the shaft (lever) placed at the end of terminal 1, shall be measured between the terminals 1 and	
%3(田)归1但	2. Next, with the shaft (lever) placed at the end of	
	terminal 3, the resistance shall be measured	R≧250KΩ
	between the terminals 2 and 3. If there are tapped terminals, the shaft(lever) shall be turned(moved)	0.1% max. of total resistance
	and the resulting minimum resistance between the	250KΩ>R>10KΩ 20Ω max.
	tapped terminal and the terminal 2 shall be	
		$10K\Omega \ge R$ 10Ω max.
	軸(柄)轉到端子1最終位置,測定端子12, 軸(柄)轉到 端子3最終位置,測定端子23,	
2	所得最小阻值即是.	
Rotational/sliding	Measured by connecting the resistor to the	
noise	amplifier having frequency charactristics	
迴轉/滑動雜音	specified in JIS C 6443, (if rated voltage is	
	20V or less, this voltage shall be applied)	
	and by rotating (moving) the shaft (lever)	Less than 100mV
	at a speed of about 30 cycles per minute.	
	依 JIS C 6443 測定.旋轉(移動)軸(柄)以每分鐘大約 30	
	次動作.<以雜音表測定>.	
	Measured with a megger by applying	
絕緣抵抗	specified voltage to the specified	
	locations.	
	The undermentioned spots shall be tested	
	unless otherwise specified. However, if the section concerned is so constructed as to	More than $100M\Omega$ at DC
	conduct, that particular part shall not be	250V
	tested.	n n standing her
	測定端子與端子間,端子與固定架間,所得電阻器基板	
	之絕緣電阻.	
Withstand voltage	Measured by applying AC voltage to the specified	
耐電壓	spot for a minute to check for arc, burning,	
	dielectric breakdown and other abnormalities. Respective terminals may be tested in group. The	
	locations described below shall be tested unless	More than 300V AC
	otherwise specified. However, if the section	
	concerned is so constructed as to conduct, that	(1 minute)
	particular part shall not be tested. 施以固定交流電壓1分鐘,檢査有無破壞、燒損、異	(1 minute)
	常但在原來結構上已導通部份,則不進行測試	
Gang error	With the shaft(lever) placed in the	
相互偏差(同步)	specified position, shall be determined by	
	applying test voltage of 2 to 15V(sinewave	
	RMS value) between the terminals 1 and 3	
	at 1,000±200Hz and measuring the	
	voltage between the resistor terminal 2	-40 to 0dB dB \leq 3dB
	and the specified terminal(terminal 1 or 3),	
	and shall be calculated by the following	
	equation.Meanwhile, unless otherwise	
	specified, DC test voltage may be applied.	2
	Gang error=20	
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Soldering heat 焊錫溫度	Resistance to soldering heat shall be measured according to JIS C 5261(issued in 1993).Terminals shall be put in the laminated board (1.6mm thick), and the laminated board shall be immersed into the solder bath at 300±5°C for 3.5±0.5s (or 260±5°C for 5±0.5s) 電阻器焊錫溫度測定與 JIS C 5261(1993 年發行)— 致.端子插入 1.6mm 後的薄板中,浸入 300±5°C 溶液 中 3.5±0.5 秒(或 260±5°C 溶液中 5±0.5 秒)	Variation rate of total resistance shall be within ±5%. 總阻値變化率在±5%之內	

Durability:耐久的性能:

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迴轉/滑動壽命	The shaft(lever) shall be turned at a speed of 600 cycles per hour(counting 1 reciprocating motion as 1 cycle) and 5,000~8,000 cycles a day over 90% of the effective rotational angle(total travel).Unless otherwise specified, the following requirements shall be met after the test is completed: Variation in total resistance: ±15% Slider noise: less than 150mV 在無負荷情況下,軸(柄)以每小時 600 次的速度(有效 來回 1 遍稱為 1 次),有效移動距離達 90%以上,每日 5,000~8,000 次的使用次數測試, 全阻變化:±15%. 滑動雜音:低於 150mV.	10,000 cycles (10,000 次)

REMARK: 備註:	PREPARED BY	REVIEWED BY	APPROVED BY
	98.7.24 1.24	第8.7.24 第8.7.24 世	98.7.24 世