Applicabl	e standard								
	Operating temperature range Operating humidity range		-40 °C to +105°C (Note1) tem		Storage temperature r	ange	-10 °C to +60°C (Note3)		
Rating					Storage humidity range		40% to 70% (Note3)		
	Applicable conr Voltage	nector	DF61Y-2S-2.2C 350 V AC/D0	Current			AWG 28 : 3.0 AWG 26 : 3.2		
			Sne	cification	ns		AWG 24 : 4.0	<u>JA</u>	
Į.	tom		Test method	omoatic		Po	quiromonto	QT	AT
Construct	ion		rest method			Ke	quirements	<u>   Q1</u>	AI
General exa		Visually and by measuring instrument.				According to drawing.			Х
Marking		Confirmed visually.							X
Flectric o	characterist	ics	·					X	1 .
Contact resis			X, 1mA (DC or 1000Hz).		10 mΩ	MAX.		X	_
millivolt level r		F00 V D0			4000 14	4000 MO MINI			
Insulation resi		500 V DC. 1200 V AC for 1 MIN.				1000 MΩ MIN.  No flashover or breakdown.			_
Voltage prod			TOT I MIIN.		INO flash	lover or break	JOWN.	X	_
	cal charact				I @ -			X	1
Mechanical operation		30 times insertion and extraction.				①Contact resistance: 20 mΩ MAX. ②No damage, crack or looseness of parts.			-
Contact inse		It takes out and inserts with a conformity connector.			①Insert	①Insertion force : 20.0N MAX. ②Extraction force: 0.5N MIN.			-
Vibration		Frequency 10 to 55 Hz, single amplitude				①No electrical discontinuity of 1 $\mu$ s.			_
Shock		0.75 mm, at 10 cycles for 3 direction.  490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.			②No da	②No damage, crack or looseness of parts.			
	ental charac		unation of pulse 11 ms at 3 times	s ioi 3 unection	15.			X	
Damp heat	ental Charac		at 40 ± 2°C , 90 to 95 %, 96 h.		①Cont	act registant	20 mΩ MΔX	Х	T _
(Steady state)		(after leaving the room temperature for 1-2h.)			2Insul	①Contact resistance: 20 mΩ MAX. ②Insulation resistance: 500 MΩ MIN. ③No damage, crack or looseness of parts.			
Rapid change of temperature		Temperature -55°C→ +85°C				①Contact resistance: 20 mΩ MAX.			_
		Time 30MIN→ 30MIN Under 5 cycles.					nce: 500 MΩ MIN.		
		(The transferring time of the tank is 2-3 MIN)				③No damage, crack or looseness of parts.			
		(After leaving the room temperature for 1-2h.)						X	
Resistance to	soldering heat	1) Reflow soldering  «Reflow time»  Number of reflow cycles: 2 cycles MAX.  Duration above 220 °C, 60 sec. MAX.  Peak temperature: 250°C 10 sec. MAX.  «Pre-heat time»  Pre-heat temperature(MIN):150 °C  Pre-heat temperature(MAX):180 °C  Pre-heat time(MIN): 90 sec.  Pre-heat time(MAX): 120 sec.  2) Manual soldering  Soldering iron temperature:350±10°C,  Soldering time: 3 sec.  No strength on contact.			excessiv	No deformation of case of excessive looseness of the terminals.			
Solderability		Soldering temperature : 245°c Duration of immersion :soldering, for 5 sec.			New uni	New uniform coating of solder shall cover minimum of 95 % of the surface being immersed.			_
Note 2: No co Note 3:Apply t	to the condition of	f long term s	urrent. storage for unused products befor rature and humiditty range is app	•		ng transportatio	on.		
Coun	nt	Descript	tion of revisions	С	esigned		Checked	Da	ate
1									
						Approved	KI. AKIYAMA		06. 11
		d , refer to IEC 60512.				Checked	HK. UMEHARA	_	06. 11
Unless oth	erwise specif					Designed	ST. SATO		06. 11
	1					Drawn	MI. SAKIMURA	- 1	06. 11
Note QT:C	Qualification Te	ualification Test AT:Assurance Test X:Applicable Test			Drawin	Drawing no. ELC-361873-			)
<b>HS</b>	•		fication sheet		Part no.		DF61Y-2P-2. 2V (23)		
		Hirose electric co., ltd.			ode no.	CL666-5100-3-23 <b>△</b>			1/1