Applicabl	e standard								
	Operating Temperature ra	ange	-40 °C to +105°C (Note1)		Storage Temperature	range	-10 °C to +60°C (Note3)		
Rating	Operating Humidity range		20% to 80% (Note2)	S	Storage Humidity rang		40% to 70% (N	ote3)	
	Applicable Connector		DF65-3S-1.7C	ι	JL Rating	Voltage	AC 50 V		
	Applicable contact		DF65-2428SCFA(**)		2	Current	24 AWG : 5 A 26-28 AWG : 4 A		
	Voltage		50 V AC/DC	C	C-UL Rating	Voltage	AC 50 V	•	
	Current		24 AWG : 4 A		$\sqrt{2}$	Current	24 AWG : 5 /		
			26 AWG : 2.5 A 28 AWG : 2.5 A		<u> </u>		26-28 AWG : 3.3 A	1	
	<u>u</u>		Specific	catio	ns				
	Item		Test method			Re	equirements	QT	AT
Construction		1				'			1
General examination		Visually and by measuring instrument.			Accord	According to drawing.			X
Marking		Confirmed visually.							X
	characteris								
Contact Res		20mV M	AX, 1mA(DC or 1000Hz).		10mΩ	MAX.		X	_
millivolt level method Insulation resistance		100 V DC.			100 Mg	100 MΩ MIN.			_
Voltage proof		500 V AC for 1 min.				No flashover or breakdown.			_
	cal charact							Х	
Mechanical			50 times insertion and extraction.			①Contact resistance: 20mΩ MAX. X			
•						②No damage, crack or looseness of parts.			
Vibration			requency 10 to 55 Hz, single amplitude ①No electrical discontinuity of 1µs.					Х	_
Shock		0.75 mm, at 10 cycles for 3 direction. 490 m/s ² duration of pulse 11 ms at 3 times each for				②No damage, crack or looseness of parts.			-
		3 both ax	kial directions.	o ddorr re	0.				
	ental charac							Тх	
Damp heat						①Contact resistance: 20mΩ MAX. ②Insulation resistance: 100 MΩ MIN.			_
(Steady state) Rapid change of		, ,				③No damage, crack or looseness of parts.			
temperature		Time	Tomporature 60 0 7 1100 0						_
'		Under 5							
			sferring time of the tank is 2 - 3 minus the room temperature for 1 -						
Resistance	to soldering		v soldering	211.)	No def	ormation of	case of excessive	Х	_
heat	_		≪Reflow time≫			looseness of the terminals.			
		Number of reflow cycles : 2 cycles max. Duration above 220°C, 60sec, max.							
		Peak temperature : 250°C 10 sec. max.							
		≪Pre-heat time≫							
		Pre-heat temperature(min) : 150°C Pre-heat temperature(max) : 180°C							
			eat time(min) : 90 sec.						
			eat time(max): 120 sec.						
		 Manual soldering Soldering iron tempreture: 350±10°C, 							
			ring time: 3s						
		No strength on contact.			A new uniform coating of solder shall X —				
Solderability	Solderability		Soldered at solder temperature, 245°C for in immersion, duration, 5s.			A new uniform coating of solder shall cover minimum of 95% of the surface			_
		240 C for in infinersion, duration, 55.				being immersed.			
	le the temperatur	e rising by o	current.						
Note 2: No co Note 3: Apply	•	of long term	storage for unused products before mo	ounted or	n PCB.				
After mounted	d on PCB, operat	ion tempera	ture and humidity range are applied for	interim s	storage durin	g transportation	on.		
Cour	nt	Descrip	tion of revisions	De	esigned		Checked		ate
<u>∕2</u> 2 Remarks		DIS-	DIS-H-00004782 SI		N. MIWA		SZ. ONO		0416
ivemant9						Approved	KI. AKIYAMA HK. UMEHARA	+	50729 50729
						Checked Designed		1	
Unless otherwise specified, refer			to IEC 60512.			Designed	YK. YAMAGUCHI	20150729	
Note QT:Qualification Test AT:As:					Drawing No.		ELC-351452-78-00		
					1		DF65-3P-1. 7V (78)		
HS.	ШБ	•	ification sheet			· · ·			1/1
	HIROSE ELECTRIC CO., LTD.			Co	ode No.	ULb	66-6004-5-78		1/1