Operating Temperature Range		-55 to +105°C (Note1) Storage		e Temperature Range		-10 °C to +60°C	-10 °C to +60°C (Note3)		
		20% to 80% (Note2)				40% to 70%	(Note3))	
		250 V AC/DC	UL·C	C-UL	Voltage	30 V AC/I	DC		
Current		AWG 22 to 26 : 2.0A AWG 28 : 1.0A AWG 30 : 0.5A	Rating	9	Current				
				Connector Applicable		DF51-3S-2C			
						DF11-****SC(F)A(i			
		Specifica							
Item		Test method			Require	ements	QT	,	
ction	•			•					
xamination	Visually and by	and by measuring instrument.		Accord	ing to drawing.		Х		
	Confirmed visua	lly.		1			Х		
Characteristic	S			•					
esistance vel Method	20mV MAX, 1m.	A (DC or 1000Hz).		30 mΩ MAX.			Х		
Resistance	500 V DC.			1000 MΩ MIN.					
oof		nin.		No flashover or breakdown.			Х		
	ristics								
al Operation	50 times insertion	on and extraction.					Х		
Matin a good was ating		takes out and inserts with a conformity connector						+	
a unmaning	it takes out and	takes out and inserts with a conformity connector.			2.Extraction Force :0.75 N MIN.				
	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at			1.No electrical discontinuity of 1 μ s.			Х	t	
				2.No damage, crack or looseness of parts.					
	Acceleration 490 m/s ² duration of pulse 11 ms at 3						Х	T	
	times for 3 direc	tions.							
nental Charac	cteristics			•					
nt .	Exposed at 40 \pm 2°C , humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)			1.Contact resistance: $30 \text{ m}\Omega$ MAX.			Х	Ī	
ate)									
Rapid Change Of T		emperature -55°C→ +105°C						ł	
ire	Time 30min→ 30min						'		
				3.No da	amage, crack or	looseness of parts.			
	Exposed at 1	e room temperature for 1 to 21 $05\pm2^{\circ}$ C 96h	1.)	1 Conta	act resistance:	30 m Q MAX	X	+	
	220000 41 100=2 0, 0011			1.Contact resistance: $30 \text{ m}\Omega$ MAX. 2.Insulation resistance: $1000 \text{ M}\Omega$ MIN.			'		
				3.No da	amage, crack or	looseness of parts.			
							_		
	Exposed at -	55±3°C, 96h		1.Conta	act resistance: ation resistance:	30 m Ω MAX.	Х		
	Operating Hum Voltage Current Item Ction Examination Characteristic esistance vel Method Resistance oof cal Characterial Operation d unmating mental Characterial operation dunmating	Operating Humidity Range Voltage Current Item Ction xamination Confirmed visua Characteristics esistance vel Method Resistance 500 V DC. oof 650 V AC for 1 r cal Characteristics Il Operation It takes out and Frequency 10 to 10 cycles for 3 o Acceleration 490 times for 3 direct mental Characteristics t Exposed at 40 (After leaving the unge Of Temperature Time Under 5 Cycles.	Operating Humidity Range 20% to 80% (Note2) Voltage 250 V AC/DC Current AWG 22 to 26 : 2.0A AWG 30 : 0.5A Specificate Item Test method Ction xamination Visually and by measuring instrument. Confirmed visually. Characteristics evel Method Resistance vel Method Resistance 500 V DC. 650 V AC for 1 min. Cal Characteristics al Operation It takes out and inserts with a conformity connumber of 3 direction. Acceleration 490 m/s² duration of pulse 11 ms times for 3 directions. The proper of the properties of th	Operating Humidity Range 20% to 80% (Note2) Storage	Operating Humidity Range 20% to 80% (Note2) Storage Humidity Voltage 250 V AC/DC UL · C-UL Rating AWG 22 to 26 : 2.0A AWG 28 : 1.0A AWG 30 : 0.5A Applicable Connector Applicable Contact Specifications Item Test method Confirmed visually. Characteristics Pesistance Vel Method Resistance Solv V DC. Solv Confirmed Volume In Solv V DC. Solv Confirmed Volume In Solv V DC. S	Operating Humidity Range 20% to 80% (Note2) Storage Humidity Range Voltage 250 V AC/DC AWG 22 to 26 : 2.0A AWG 28 : 1.0A Applicable Connector Applicable Contact	Operating Humidity Range 20% to 80% (Note2) Storage Humidity Range 40% to 70%	Operating Humidity Range	

	COUN	T DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE	
$\angle 1$	1	DIS-H-00004558	TS. MIYAKI		SZ. ONO	20190107	
				APPROVED	HS. OKAWA	20170602	
					ST. WADA	20170602	
					TH. SATO	20170601	
Unless otherwise specified, refer to IEC 60512.				DRAWN	TH. SATO	20170601	
Note	QT:Qua	lification Test AT:Assurance Test X:Applicable Test	DRAWING	NO.	ELC-363915-01-00		
HS.		SPECIFICATION SHEET	PART NO.		1)		
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL54	3-5106-0-01	1/2	

		Specifica	auons	•				1
Ite	em	Test method			Requ	uirements	QT	А٦
Resistance T Heat	o Soldering	1) Automatic soldering (flow) Soldered at solder temperature, 260°c for in immersion, duration, 5 s. 2)Manual soldering Soldering iron temperature:270°C, Soldering time:3s. No strength on contact.			ormation of cas terminals.	se of excessive looseness	X	_
Solderability		Soldering temperature : 245°C Duration of immersion :soldering, for 5 sec.		New un minimui immers	m of 95 % of t	of solder shall cover he surface Being	Х	-
	<u></u>	st AT:Assurance Test X:Applicable Test	DF	DRAWING NO. ELC-363915-0			-00)
Note QT:Qu				1				
Note QT:Qu		PECIFICATION SHEET	PART		DF	51A-3P-2DSA (01)	Т	2/2