Applicabl	e stand	dard							
	Operating temperat	g ure range	-35°C to +85°C(Not	.00 1)	Storage temperature range	-10°C to +60°C(N	-10°C to +60°C(Note3)		
Rating	Operating humidity range		20 % to 80 % (Note	30 % (Notes 2) Storage humidity range		40 % to 70 %(No	40 % to 70 %(Note3)		
	Voltage		150 V AC (DC))	Current	1 A	1 A		
Applicable Connector			DF13-*S-1.25		Applicable Contact	DF13(G)-2630SCFA DF13-3032SCFA			
	II.		Spe	cification	ons	1			
lt	em		Test method			Requirements	QT	AT	
Construc	tion								
General examination		Visually a	Visually and by measuring instrument.			According to drawing.			
Marking		Confirme	Confirmed visually.						
Electric o	haract	eristics							
Contact resis	stance	100 m A	100 m A (DC or 1000 Hz).			30 mΩ MAX.			
Insulation res	sistance	100 V DC	100 V DC.			500 MΩ MIN.			
Voltage proo	f	500 V AC	500 V AC for 1 min.			No flashover or breakdown.			
Mechani	cal cha	racteristics						1	
Mechanical o	peration	50 times	50 times insertions and extractions.			① Contact resistance: 30 mΩ MAX.			
						② No damage, crack or looseness of parts.			
Vibration	Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.			 ① No electrical discontinuity of 1µs. ② No damage, crack or looseness of parts. 			
Shock		490 m/s ² directions	490 m/s ² duration of pulse 11 ms at 3 times for 3			1			
Environn	nental	characterist						1	
			emperature -55→ 15 to 35→+85→ 15 to 35 °c			① Contact resistance: 30mΩ MAX.			
temperature	temperature		Time $30 \rightarrow 2 \text{ to } 3 \rightarrow 30 \rightarrow 2 \text{ to } 3 \text{ min.}$			② Insulation resistance: 500 M Ω MIN.			
D 1 (cycles.		③ No damage	③ No damage, crack or looseness of parts.			
•	Damp heat (Steady state)		Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.				X	_	
	Resistance to soldering		1) Reflow soldering « Reflow area »			No deformation of case of excessive looseness of the terminals.			
			250°C MAX 10 sec MAX						
			230°C MIN 60 sec MAX						
			≪Preheating area ≫ 170°C to 190°C 60 sec to 120 sec Put through in reflow furnace twice,						
			e in ambient temperature and						
			dity for 1 hour. Il soldering						
			ng iron temperature :300℃,						
			ng time : 3sec.						
No		No stre	No strength on contact.						
Solderability			Soldered at solder temperature, 245°c for insertion duration, 3sec.			Solder shall cover a minimum of 95 % of the surface being immersed.			
Remarks	.	2 10 0 101			55 /0 51 tile 30			1	
		erature rising by c	urrent.						
Note 2:No cor	ndensing	0 ,							
			storage for unused products before perature and humidity range is ap			portation.			
			, refer to IEC 60512.	Phod for IIIIGIII	5.0.495 duining trails				
Cour		•	on of revisions	De	esigned	Checked	Dat	e	
			_			_			

	Count	Description of revisions		Des	signed		Checked	Date
					Арр	roved	KI. AKIYAMA	16. 01. 21
					Che	ecked	TS. FUKUSHIMA	16. 01. 21
					Des	signed	YK. YAMAGUCHI	16. 01. 21
					Drawn		MI. SAKIMURA	16. 01. 21
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing no.		ELC-367983-51-00		
KS		Specification sheet		Pa	ırt no.	DF13E-*DP-1. 25V (51)		(51)
		Hirose electric co., ltd.		Co	de no.	CL536		∕∂∖ 1/1