Applicabl	e standard							
	Operating temperature range		-35°C to +85°C(Note 1)	Stora	age perature range	-10°C to +60°C(Note		
Rating	Operating humidity range		20 % to 80 % (Note 2)	Stora humi	age idity range	40 % to 70 %(Note 3)		
	Voltage		150 V AC (DC)	Cur	rrent	1 A		
	Applicable		DF13-*DS-1.25C		oplicable DF13(G)-263		CFA	
Connector			DI 10 DO 1.200	Cont	act	DF13-3032SCF		
			Specifica ^s	tions	6			
Item		Test method			Requirements			AT
Construc	tion							
General examination		Visually and by measuring instrument.			According to drawing.			Х
Marking		Confirmed visually.				Х	Х	
Electric o	characterist	ics						•
Contact resis	stance	100 m A (DC or 1000 Hz).			30 mΩ MAX.			_
Insulation resistance		100 V DC.			500 ΜΩ ΜΙΝ.			_
Voltage proof		500 V AC for 1 min.			No flashover or breakdown.			_
Mechani	cal charact	eristics			ı			
Mechanical operation		50 times insertions and extractions.			 Contact resistance: 30 mΩ MAX. No damage, crack or looseness of parts. 			_
Vibration		Frequency 10 to 55 Hz, single amplitude			① No electrical discontinuity of 1μs.			_
0: 1		0.75 mm, at 2 h, for 3 directions.			② No damage, cra	Х		
Shock		490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.					Х	_
Environn	nental char	acterist	ics					
Rapid change of		Temperature -55→ 15 to 35→+85→ 15 to 35 °c			① Contact resistance: 30mΩ MAX. ② Insulation resistance: 500 MΩ MIN. ③ No damage, crack or looseness of parts.			_
temperature		Time $30 \rightarrow 2$ to $3 \rightarrow 30 \rightarrow 2$ to 3 min. Under 5 cycles.						
Damp heat			at 40 ± 2 °c, 90 to 95 %, 96 h.		W No damage, cra	ck of loosefiess of parts.	X	
(Steady state	•						^	_
Resistance to soldering heat		1) Reflow soldering ≪ Reflow area ≫ 250°C MAX 10 sec MAX			No deformation of case of excessive looseness of the terminals.			_
			MIN 60 sec MAX					
		≪Preh	eating area≫					
			C to 190°C 60 sec to 120 sec					
			nrough in reflow furnace twice,					
			in ambient temperature and dity for 1 hour.					
			I soldering					
			ng iron temperature :300°C,					
			ng time : 3sec.					
		No stre	ngth on contact.					
Solderability Sol		Soldered	at solder temperature,	Solder shall cover a minimum of			_	

Remarks

Note 1:Include the temperature rising by current.

Note 2:No condensing

Note 3:Apply to the condition of long term storage for unused products before pcb on board,

245°c for insertion duration, 3sec.

after pcb on board, operating temperature and humidity range is applied for interim storage during transportation.

Count	Description of revisions	Designed			Checked		Date	
\triangle								
Unless oth	erwise specifid , refer to IEC 60512.	,	Approved		KI. AKIYAMA	YAMA 16. 03. 31		
				Checked		TS. FUKUSHIMA	16. 03.	29
		Designed			MI. SAKIMURA	16. 03. 29		
				Drawn		MI. SAKIMURA	16. 03.	29
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.			ELC-367983-55-00		
HS.	Specification sheet	Part no.	DF13E-*DP-1. 25V (55)		(55)			
11.0	Hirose electric co., ltd.				CL536		҈Ѧ	1/1

95 % of the surface being immersed.