

Applicable standard						
Rating	Operating Temperature Range	-35 to +85°C (Note1)	Storage Temperature Range	-10 °C to +60°C (Note3)		
	Operating Humidity Range	20% to 80% (Note2)	Storage Humidity Range	40% to 70% (Note3)		
	Voltage	AC 150V (DC)	Applicable Connector	DF13-*S-1.25C		
	Current	1A/pin	Applicable crimp contact	DF13-2630SCF DF13G-2630SCF DF13-3032SCF		
Specifications						
Item		Test method		Requirements	QT	AT
Construction						
General Examination		Visually and by measuring instrument.		According to drawing.	X	X
Marking		Confirmed visually.			X	X
Electric Characteristics						
Contact Resistance		100m A (DC or 1000 Hz).		30 mΩ MAX.	X	—
Insulation Resistance		100 V DC.		500 MΩ MIN.	X	—
Voltage Proof		500 V AC for 1 min.		No flashover or breakdown.	X	—
Mechanical Characteristics						
Mechanical Operation		30 times insertion and extraction.		1.Contact resistance: 30 mΩ MAX. 2.No damage, crack or looseness of parts.	X	—
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.		1.No electrical discontinuity of 1 μ s. 2.No damage, crack or looseness of parts.	X	—
Shock		Acceleration 490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.			X	—
Environmental Characteristics						
Damp Heat (Steady State)		Exposed at 40 ± 2°C , humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)		1.Contact resistance: 30 mΩ MAX. 2.Insulation resistance: 500 MΩ MIN. 3.No damage, crack or looseness of parts.	X	—
Rapid Change Of Temperature		Temperature -55→ 5 to 35→85→ 5 to 35 °C Time 30→ 10 to 15 →30→ 10 to 15 min Under 5 cycles.		1.Contact resistance: 30 mΩ MAX. 2.Insulation resistance: 500 MΩ MIN. 3.No damage, crack or looseness of parts.	X	—
Resistance to soldering heat		1) Solder bath method Soldered at solder temperature, 250 °C, for in immersion, duration, 10 sec. 2) Manual soldering Soldering iron temperature: 300 °C, Soldering time: 3 sec. No strength on contact.		1.Contact resistance: 40 mΩ MAX. 2.Insulation resistance: 100 MΩ MIN. 3.No damage, crack or looseness of parts.	X	—
Solderability		Soldering temperature : 240°C Duration of immersion :soldering, for 3 sec.		1.Contact resistance: 40 mΩ MAX. 2.Insulation resistance: 100 MΩ MIN. 3.No damage, crack or looseness of parts.	X	—
Remarks Note 1: Include the temperature rising by current. Note 2: No condensing Note 3: Apply to packed condition.						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
						
Unless otherwise specified, refer to IEC 60512.				APPROVED	S.J. OKAMURA	20211216
				CHECKED	SZ. ONO	20211216
				DESIGNED	TH. SATO	20211215
				DRAWN	TH. SATO	20211215
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-162420-25-00	
	SPECIFICATION SHEET		PART NO.	DF13-*P-1. 25DS (25)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.			1/1