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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 μs. 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
△0					

APPROVED	SJ. OKAMURA	20211216
CHECKED	SZ. ONO	20211216
DESIGNED	TH. SATO	20211215
DRAWN	TH. SATO	20211215

Unless otherwise specified, refer to IEC 60512.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-162420-25-00

HRS	SPECIFICATION SHEET	PART NO.	DF13-*P-1.25DS(25)
	HIROSE ELECTRIC CO., LTD.	CODE NO.	△0 1/1

FORM HD0011-2-1