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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°C TO +85°C(NOTES 1)	STORAGE TEMPERATURE RANGE	−10°C TO +60°C(NOTE3)	
	OPERATING HUMIDITY RANGE	20 % TO 80 % (NOTES 2)	STORAGE HUMIDITY RANGE	40 % TO 70 %(NOTE3)	
	VOLTAGE	150 V AC/DC	CURRENT	1 A/pin	
	APPLICABLE CONNECTOR	DF13-*S-1.25C	APPLICABLE CONTACT	DF13(G)-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	100 m 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 INSERTIONS AND EXTRACTIONS.	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 1μs. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 15 TO 35→+85→ 15 TO 35 °C TIME 30→ 2 TO 3→30→ 2 TO 3 min. UNDER 5 CYCLES.	1) CONTACT RESISTANCE: 30mΩ MAX. 2) INSULATION RESISTANCE: 500 MΩ MIN. 3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		X	—
RESISTANCE TO SOLDERING HEAT	1) SOLDER BATH METHOD 250℃, FOR 10 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :300℃, SOLDERING TIME : 3sec. NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240°C FOR INSERTION DURATION, 3sec.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	—

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE2: NO CONDENSING.
NOTE3: APPLY TO PACKED CONDITION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

Unless otherwise specified, refer to IEC 60512.

APPROVED	SJ. OKAMURA	20211217
CHECKED	SZ. ONO	20211217
DESIGNED	HT. SATO	20211217
DRAWN	SK. CHIBA	20211217

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

DRAWING NO. ELC-083673-05-00

HRS	SPECIFICATION SHEET	PART NO.	DF13-*P-1.25DSA(05)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL536 △0	1/1

FORM HD0011-2-1