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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	VOLTAGE	150V AC	CURRENT	1A
	OPERATING TEMPERATURE RANGE	-35°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 3)
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE 2)	STORAGE HUMIDITY RANGE	20% TO 70% (NOTE 3)
	APPLICABLE CONNECTOR	DF13-＊S-1.25C	APPLAICABLE CRIMP CONTACT	DF13-2630SCF, 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).	30mΩ MAX.	X	—
INSULATION RESISTANCE	100V DC.	500MΩ MIN.	X	—
VOLTAGE PROOF	500V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ 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.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 5 TO 15 → 30→ 5 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
RESISTANCE TO SOLDERING HEAT	1) FLOW SOLDERING 250±5℃MAX. FOR 3 SECONDS. 2) SOLDERING IRONS: :290±10℃, FOR 3 SECONDS .	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	–
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 215±5°C FOR INSERTION DURATION, 3 SECONDS.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	–

REMARKS
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.
NOTE 2: NO CONDENSING.
NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD AFTER PCBBOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

Unless otherwise specifid , refer to JIS C 5402.

APPROVED	TY.OMA	06.09.25
CHECKED	HK.UMEHARA	06.09.25
DESIGNED	TS.KUMAZAWA	06.09.25
DRAWN	AK.MIURA	06.09.21

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

DRAWING NO. ELC4-162420-03

HRS	SPECIFICATION SHEET	PART NO.	DF13-＊P-1.25DS(20)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL536 △0	1/1

FORM HD0011-2-1