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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(NOTE 1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	DF30*-*DS-0.4V(**)
	CURRENT	0.3A		

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).	100mΩ MAX.	X	—
INSULATION RESISTANCE	100V DC.	50MΩ MIN.	X	—
VOLTAGE PROOF	100V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 10 CYCLES OF EACH 3 AXIAL DIRECTION FOR 5 min.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. 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 1 μs. 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→10 TO 15→30→10 TO 15min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 50MΩ 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: 100mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPPAY FOR 48h. (TEST STANDARD: IEC60068)	① CONTACT RESISTANCE: 100mΩ MAX. ② NO HEAVY CORROSION.	X	–
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h. (TEST STANDARD: IEC60068)	① CONTACT RESISTANCE: 100mΩ MAX. ② NO HEAVY CORROSION.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0					

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT

Unless otherwise specified, refer to IEC60512.

APPROVED	KH.IKEDA	06.08.05
CHECKED	TS.MIYAZAKI	06.08.05
DESIGNED	TH.ARAI	06.08.04
DRAWN	NM.SATO	06.08.04

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

DRAWING NO. ELC4-312966-011

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. DF30RC-*DP-0.4V(81)

CODE NO.

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FORM HD0011-2-1