

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
⚠						
REMARKS				APPROVED	KH. IKEDA	06.08.05
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				CHECKED	TS.MIYAZAKI	06.08.05
Unless otherwise specified, refer to IEC60512.				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			PART NO.	DF30RC-*DP-0, 4V (81)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		⚠ 1/1