

APPLICABLE STANDARD		SPECIFICATIONS				
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				
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 <sup>2</sup> 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 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	
	SPECIFICATION SHEET		PART NO.	DF30RC-*DP-0.4V (81)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.		 1/1	