

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*-30DS-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 <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 SPAY 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
△6	DIS-H-00006344 (B)		YK. SATAKE	TS. MIYAZAKI	20200914
REMARKS			APPROVED	KH. IKEDA	20061221
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT			CHECKED	TS. MIYAZAKI	20061221
			DESIGNED	TH. YAMAMOTO	20061221
Unless otherwise specified, refer to IEC60512.			DRAWN	NM. SATO	20061219
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-312157-02
		SPECIFICATION SHEET	PART NO.	DF30RC-30DP-0. 4V (82)	
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL684-1271-6-82	1/1