

APPLICABLE STANDARD		SPECIFICATIONS			
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C	
	VOLTAGE	50V AC	APPLICABLE CONNECTOR	DF23C-14DP-0.5V (**)	
	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).		60mΩ MAX.		X -
INSULATION RESISTANCE	100V DC.		500MΩ MIN.		X -
VOLTAGE PROOF	150V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X -
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 24 N MAX. EXTRACTION FORCE: 2.1 N MIN.	X -
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 60mΩ MAX. ② NO DAMAGE, CRACK AND 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 AND 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 AND 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: 60mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X -
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 60mΩ MAX. ② INSULATION RESISTANCE: 250 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X -
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X -
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)			① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X -
REMARKS					
NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT.				APPROVED	MO. NAKAMURA
				CHECKED	TS. MIYAZAKI
				DESIGNED	TH. YAMAMOTO
				DRAWN	AK. AOYAGI
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.	
HS		SPECIFICATION SHEET		PART NO.	DF23C-14DS-0.5V (53)
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL688-0300-2-53
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