

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-10DS-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: 20 N MAX. EXTRACTION FORCE: 1.5 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 <sup>2</sup> 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 15 min 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	KH. IKEDA 07.08.27	
UNLESS OTHERWISE SPECIFIED, REFER TO IEC60512				CHECKED	TS. MIYAZAKI 07.08.27	
				DESIGNED	TR. YUNOKI 07.08.27	
				DRAWN	NM. SATO 07.08.27	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-164008-05
	SPECIFICATION SHEET		PART NO.	DF23C-10DP-0.5V (92)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL688-0806-1-92	△	1/1