

APPLICABLE STANDARD		SPECIFICATIONS				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C		
	VOLTAGE	100 V AC	APPLICABLE CONNECTOR	DF19#-30P-1H(56)		
	CURRENT	0.5 A				
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
MARKING	CONFIRMED VISUALLY.					
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 m A (DC OR 1000 Hz).		50 mΩ MAX.			
INSULATION RESISTANCE	100 V DC.		500 MΩ MIN.			
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.			
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → -5 TO 35 → +85 → -5 TO 35 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.					
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
						
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to JIS C 5402.				APPROVED	TY.OMA	06.03.16
				CHECKED	HK.UMEHARA	06.03.16
				DESIGNED	10.DENPOUYA	06.03.16
				DRAWN	AK.MIURA	06.03.14
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-163241-03	
	SPECIFICATION SHEET		PART NO.	DF19G-30S-1F (05)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL685-0033-9-05	 1/1	