

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)	
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)	
	VOLTAGE	50 V AC/DC	APPLICABLE CONTACT	DF57-*S-1.2C DF57H-*S-1.2C	
			APPLICABLE CABLE	AWG32 TO AWG 34	
			INSULATION DIAMETER	φ 0.32~0.63 mm	
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
				QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		20 mV MAX, 1 mA(DC OR 1000 Hz).		10 mΩMAX.	
				X	—
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		T=0.2±0.002 mm BY STEEL GAUGE.		INSERTION FORCE 5 N MAX. EXTRACTION FORCE 0.1 N MIN.	
MECHANICAL OPERATION		30 TIMES INSERTION AND EXTRACTION.		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.		① NO ELECTRICAL DISCONTINUITY OF 1 μ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
CRIMP TENSILE STRENGTH				① #AWG32 : 5 N MIN. ② #AWG34 : 3 N MIN.	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT(STEADY STATE)		EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55°C→ +85°C TIME 30min→ 30min UNDER 5 CYCLES. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
REMARKS NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT NOTE 3:NON-CONDENSING. NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	1	DIS-H-00000127	MI. SAKIMURA	KI. AKIYAMA	15.02.16
Unless otherwise specified, refer to IEC 60512			APPROVED	KI. AKIYAMA	10.12.02
			CHECKED	HK. UMEHARA	10.12.02
			DESIGNED	TS. KUMAZAWA	10.12.02
			DRAWN	TS. KUMAZAWA	10.12.02
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-335549-00
HRS	SPECIFICATION SHEET		PART NO.	DF57-3234SCF	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL666-0016-1-00	△ 1/1