

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△									
△									
△									

  

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE
RATING	VOLTAGE	-30 °C T <sub>0</sub> +85 °C (NOTE1)	-10 °C T <sub>0</sub> +60 °C
CURRENT	AWG24 : 3A	250 V AC	DF 3-※S-2 C
	AWG26 : 2A	AWG24 : 3A	UL1061, UL1007:AWG24~28
	AWG28 : 1A	AWG26 : 2A	

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

ELECTRICAL CHARACTERISTICS		CONTACT RESISTANCE	CONTACT RESISTANCE	CONTACT RESISTANCE	CONTACT RESISTANCE	CONTACT RESISTANCE	VOLTAGE PROOF
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.					
CONTACT RESISTANCE	20 mV MAX. m(AC OR 1000 Hz).	mΩ MAX.					
MILLIVOLT LEVEL METHOD							
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.					
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.					

MECHANICAL CHARACTERISTICS		CONTACT INSERTION AND EXTRACTION FORCES	INSERTION FORCE	EXTRACTION FORCE	INSERTION AND WITHDRAWAL FORCES	MECHANICAL OPERATION	VIBRATION	SHOCK
CONTACT INSERTION AND EXTRACTION FORCES	□0.5 ± 0.002 BY STEEL GAUGE.	INSERTION FORCE	4.4 N MAX.	0.3 N MIN.	MEASURED BY APPLICABLE CONNECTOR.	50 TIMES INSERTIONS AND EXTRACTIONS.	FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75 mm, - m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	490 m/s <sup>2</sup> DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS.
INSERTION AND WITHDRAWAL FORCES		INSERTION FORCE	N MAX.	N MIN.				
MECHANICAL OPERATION		EXTRACTION FORCE	N MIN.					
VIBRATION		① CONTACT RESISTANCE:	30 mΩ MAX.					
SHOCK		② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.						

ENVIRONMENTAL CHARACTERISTICS		TEMPERATURE	TEMPERATURE	DAMP HEAT (STEADY STATE)	RESISTANCE TO SOLDERING HEAT	SOLDERABILITY
TEMPERATURE	TEMPERATURE -55 → 5~35 → +85 → 5~35 °C	TIME	30 → 5~15 → 30 → 10~15 min	UNDER 5 CYCLES.		
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90~95 %RH, 96 h.					
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C, FOR IMMERSION, DURATION, s.					
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IN IMMERSION, DURATION, s.					

REMARKS	NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		S.HARA	T. OSAKI	C. YAMAMOTO	K. HAYASHI	

UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344.	QT	AT
QT: Qualification Test	AT: Assurance Test	X: Applicable Test

<b>HRS</b>	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	DF3-2428SCC
CODE NO. (OLD)	DRAWING NO.		CODE NO.	
CL	ELC4-020357-01		CL543-0047-3	

TO