

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
✓					✓				
✓					✓				

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	Q/T	A/T
APPLICABLE STANDARD				
OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES)	STORAGE TEMPERATURE RANGE	CTO	C
VOLTAGE	250 V AC	APPLICABLE CONTACT		
CURRENT	AWG 24 3 A AWG 25 3 A AWG 28 1 A	APPLICABLE CONNECTOR		
		APPLICABLE CABLE		

CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	CONFIRMED VISUALLY.	ACCORDING TO DRAWING.	○ ○ ○
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	(10 mA(DC OR 1000 Hz)).	30 mΩ MAX.		○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. mA(DC OR 1000 Hz).	mΩ MAX.		—
INSULATION RESISTANCE	V DC	MΩ MIN.		—
VOLTAGE PROOF	V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN.		—

MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	□ 0.635±0.002 BY STEEL GAUGE.	INSERTION FORCE EXTRACTION FORCE	0.4 N MAX. 4.5 N MIN.	○
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE EXTRACTION FORCE	N MAX. N MIN.	—
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS	CONTACT RESISTANCE:	30 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○
VIBRATION	FREQUENCY TO AMPLITUDE DIRECTIONS.	CONTACT RESISTANCE:	mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—
SHOCK	m/s ² DURATION OF PULSE AT TIMES FOR DIRECTIONS.	CONTACT RESISTANCE:	mΩ MAX. NO ELECTRICAL DISCONTINUITY OF PARTS.	—

ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT T, %	h.	CONTACT RESISTANCE: mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—
INSULATION RESISTANCE:	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			—

RAPID CHANGE OF TEMPERATURE	TEMPERATURE TIME UNDER CYCLES.	t	min	CONTACT RESISTANCE: mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, IMMERSION, DURATION.	t FOR s.		NO DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS.	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, FOR IMMERSION DURATION.	t FOR s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BRING IMMERSD.	—

REMARKS	NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to MIL-STD-1344.		<i>Pr. Sasaki</i>	<i>M. Tanaka</i>	<i>J. Oana</i>	<i>H. Yamada</i>	
Note	Q/T: Qualification Test	AT: Assurance Test	○: Applicable Test			

HRS	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	DF1-2428SCF
CODE NO. (OLD)	DRAWING NO.	CODE NO.		
CL	ELC4-017870-01	CL	541-0134-3	1/1

TO

