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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				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	150 V AC	APPLICABLE CONTACT	—
	CURRENT	1 A	APPLICABLE CONNECTOR	DF13-*DP-1.25C
			APPLICABLE CABLE	—

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="radio"/>	<input type="radio"/>
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>

ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, mA(DC OR 1000 Hz).		<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>

MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	<input type="checkbox"/> 0.35 ± 0.002 BY STEEL GAUGE.	INSERTION FORCE 3.9 N MAX. EXTRACTION FORCE 0.3 N MIN.	<input type="radio"/>	<input type="radio"/>
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE _____ N MAX. EXTRACTION FORCE _____ N MIN.	<input type="radio"/>	<input type="radio"/>
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="radio"/>	<input type="radio"/>
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	<input type="radio"/>	<input type="radio"/>
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② CONTACT RESISTANCE: - mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="radio"/>	<input type="radio"/>

ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5 ~ 35 → +85 → 5 ~ 35 °C TIME 30 → 10 → 30 → 10 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="radio"/>	<input type="radio"/>
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="radio"/>	<input type="radio"/>
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C, FOR IMMERSION, DURATION, s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	<input type="radio"/>	<input type="radio"/>
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	<input type="radio"/>	<input type="radio"/>

REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.		<i>H. Umehara</i>	<i>H. Umehara</i>	<i>J. Ona</i>	<i>M. Yamamoto</i>	
Unless otherwise specified, refer to MIL-STD-1344.		197.3.3	197.3.3	97.3.4	97.3.4	

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test	
HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET
CODE NO.(OLD) CL	DRAWING NO. ELC4-160109-03
PART NO. CL	PART NO. 536
PART NO. DF13-*DS*-1.25C	
1/1	

TO

