

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

TO

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

APPLICABLE STANDARD

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	D F 1 3 - * D P - 1 . 2 5 C	
			APPLICABLE CABLE	-	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
GENERAL EXAMINATION	CONFIRMED VISUALLY.		○	○
MARKING			○	○

ELECTRIC CHARACTERISTICS

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

MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	□ 0.35 ± 0.002 BY STEEL GAUGE.	INSERTION FORCE 3.9 N MAX. EXTRACTION FORCE 0.3 N MIN.	○	-
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE _____ N MAX. EXTRACTION FORCE _____ N MIN.	-	-
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-
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.	○	-
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.	○	-

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.	○	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.	③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-

RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C, IMMERSION, DURATION, s.	FOR, °C, s.		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.		

REMARKS
NOTE: INCLUDE THE TEMPERATURE RISING BY CURRENT.

UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>H. Umehara</i>	<i>H. Umehara</i>	<i>J. Ono</i>	<i>H. Yamamoto</i>	
	197.3.3	197.3.3	97.3.4	97.3.4	

Note ○T:Qualification Test AT:Assurance Test ○:Applicable Test

HRS	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	D F 1 3 - * D S * - 1 . 2 5 C
CODE NO. (OLD)	DRAWING NO.	PART NO.	PART NO.
CL	ELC4-160109-03	CL	536
			1 / 1

