

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	250 V	APPLICABLE CONTACT	
	CURRENT	2 A	APPLICABLE CONNECTOR	
			APPLICABLE CABLE	

SPECIFICATIONS

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

ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	80 mΩ MAX. (NOTE 2)	○	—
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	BY STEEL GAUGE.	INSERTION FORCE EXTRACTION FORCE	N MAX. 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	① CONTACT RESISTANCE: 80 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○ —
VIBRATION	FREQUENCY 10 TO 55 Hz, TOTAL AMPLITUDE 1.5 mm, — m/s ² AT ≥ 1 FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 mΩ. ② CONTACT RESISTANCE: 80 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○ —
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 mΩ. ② CONTACT RESISTANCE: 80 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○ —

ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT C, %, h.	① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		— —
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → -5 → -35 → +85 → 5 → 35°C TIME 30 → 10 → 15 → 30 → 10 → 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 80 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○ —
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, IMMERSION, DURATION, C FOR s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		— —
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, FOR IMMERSION DURATION, C s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.		— —

NOTE 2. INCLUDE THE TWO CONTACTS. (INCLUDE THE CABLE AWG#28 80mm.)

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE 1 INCLUDE THE TEMPERATURE RISING BY TURNING ON ELECTRICITY. Unless otherwise specified, refer to MIL-STD-1344.	T. Miyazaki 94.9.29	T. Miyazaki 94.9.29	C. Hanami 94.10.3	U. Yamamoto 94.10.5	HRS 1029/02 USA

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

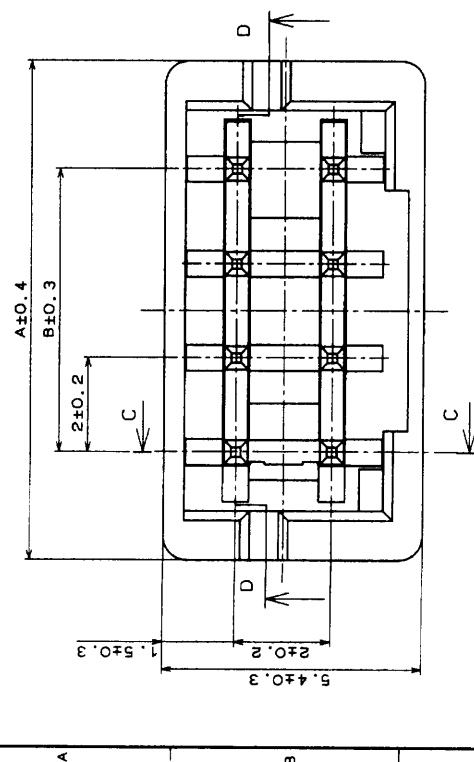
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF11-X:DP-SP1	
CODE NO. (OLD) CL	DRAWING NO. ELC4-084801-01	CODE NO. CL543-0609-1	1/1	INC	

FOR REFERENCE ONLY
Subject to change without notice

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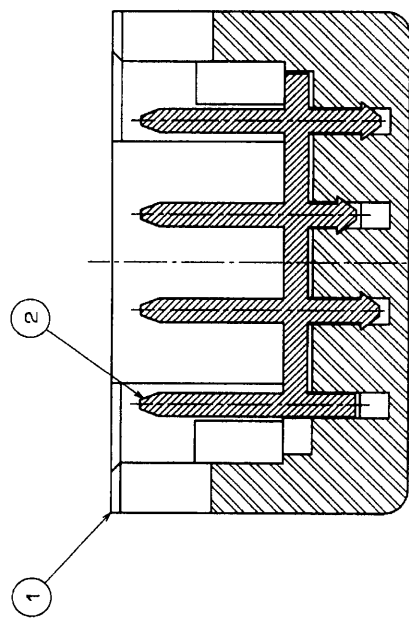
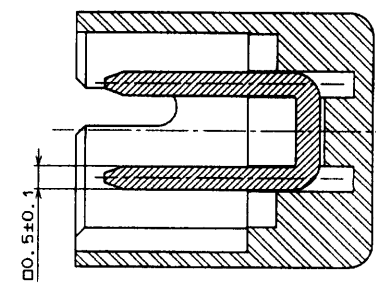
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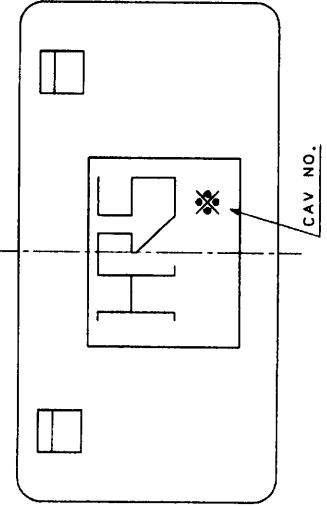
HRS NO.	PART NO.	NUMBER OF CONTACT	A	B
CL543-0609-1	DF11-4DP-SP1	4	6.6	2
CL543-0610-0	DF11-6DP-SP1	6	8.6	4
CL543-0611-3	DF11-8DP-SP1	8	10.6	6

C - C

D - D



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NO.	MATERIAL	FINISH	REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	TIN PLATED
2	BRASS							
1	POLYAMIDE							ULSKV-O(BLACK)
				<i>J. Higuchi</i> 94-10-3		<i>C. Henami</i> 94-10-5		APPROVED HRS 10/29/02 USA
DRAWING NO. EDC3-084801-01				PART NO. DF11-*DP-SP1		CODE NO. CL543-0611-3		1/1
SCALE 10:1				UNITS M.M.		HRS HIROSE ELECTRIC CO., LTD.		FORM NO. 229