

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	Q	T	A
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 N MAX. EXTRACTION FORCE 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: 80 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—	
VIBRATION	FREQUENCY 10 TO 55 Hz, TOTAL AMPLITUDE 1.5 mm, — mm/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, °C FOR IMMERSION, DURATION, s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	—	—	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, 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 AND 2P 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 Q: Qualification Test A: Assurance Test ○: Applicable Test

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

FOR REFERENCE ONLY

Subject to change without notice

TO

COUNT DESCRIPTION OF REVISIONS		BY CHG	DATE	COUNT DESCRIPTION OF REVISIONS	BY CHG	DATE
1				1		
2				2		
3				3		
4				4		
5				5		
6				6		
7				7		
8				8		

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						ULS4V-O(BLACK)

CODE NO. (OLD)	FINISH . REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	FINISH . REMARKS

DRAWING NO.	PART NO.
EDC3-084801-01	DF11-*DP-SP1

SCALE	UNITS
10 : 1	mm

CAV NO.	CODE NO.
	CL543-0611-3

TO