

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
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APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	-15℃ TO +60℃			STORAGE TEMPERATURE RANGE	-15℃ TO +60℃				
	VOLTAGE	AC100V, DC140V								
	CURRENT	2A								
SPECIFICATIONS										
ITEM	TEST METHOD				REQUIREMENTS				QT	AT
CONSTRUCTION										
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				○	○
MARKING	CONFIRMED VISUALLY.								○	○
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A.				327 mΩ MAX.				○	○
	GROUND SHALL BE MEASURED AT DC 1 A.				119 mΩ MAX.				○	○
	— SHALL BE MEASURED AT DC - A.				— mΩ MAX.				-	-
INSULATION RESISTANCE	250V DC				200 MΩ MIN.				○	○
VOLTAGE PROOF	300V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				○	○
MECHANICAL CHARACTERISTICS										
CONTACT INSERTION AND WITHDRAWAL FORCES	— BY STEEL GAUGE.				INSERTION AND WITHDRAWAL FORCES: — N				-	-
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR, LOCKING DEVICE.				INSERTION AND WITHDRAWAL FORCES: 5 TO 50 N				○	-
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.				CONTACT RESISTANCE: 337 mΩ MAX.				○	-
					GROUND RESISTANCE: 139 mΩ MAX.				○	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 1.5 mm, — m/s ² AT 2 h FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-
SHOCK	490m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.				① INSULATION RESISTANCE: 2 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 20 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE +60→R/Tm→-15→R/T ℃ TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.				① INSULATION RESISTANCE: 1000MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48h.				NO HEAVY CORROSION.				○	-
DRY HEAT	EXPOSED AT +60 ℃, 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-
COLD	EXPOSED AT -15 ℃, 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-
SEALING	EXPOSED AT A DEPTH OF OF - m FOR — h.				NO WATER PENETRATION INSIDE CONNECTOR.				-	-
AIRTIGHTNESS	APPLY AIR PRESSURE - Pa FOR - h TO INSIDE CONNECTOR.				NO AIR BUBBLES INSIDE CONNECTOR.				-	-
REMARKS										
① CONTACT RESISTANCE INCLUDES BULK RESISTANCE OF USED WIRE.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
② SEALING AND AIRTIGHTNESS SHALL BE TESTED BY APPLICABLE CONNECTOR.					F.NEMOTO	N.KUDO	S. Hozumi	S. Hozumi		
NOTE ① ROOM TEMPERATURE.					'06.02.09	'06.02.09	'06-02-10	'06-02-10		
Unless otherwise specified, refer to JIS C 5402.										
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET					
CODE NO. (OLD)					PART NO.					
CL - - -					HR12-10P8PS1219(71)					
DRAWING NO.					CODE NO.					
ELC4-029732-01					CL112-0136-0-71					
					1/1					