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

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25 ℃ TO +85 ℃	STORAGE TEMPERATURE RANGE	-25 ℃ TO +85 ℃
	VOLTAGE	AC 100 V, DC 140 V	———	———
	CURRENT	2 A	APPLICABLE CABLE	φ3.5 ~ φ4.3

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	O	O
MARKING	CONFIRMED VISUALLY.		O	O
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A	15 mΩ MAX.	O	O
	CONTACT SHALL BE MEASURED AT DC ——— A	——— mΩ MAX.	—	—
INSULATION RESISTANCE	100 V DC.	1000 MΩ MIN.	O	O
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	O	O
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND WITHDRAWAL FORCES	---------- BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : — N MIN.	—	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH LOOK.	INSERTION AND WITHDRAWAL FORCES : 30 N MAX.	O	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 30 mΩ MAX.	O	—
		——— RESISTANCE: ——— mΩ MAX.	—	—
VIBRATION	FREQUENCY 10 TO 55 Hz(1CYC, 5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	O	—
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION ALAXIS FOR 3 TIMES AT 490 m/s^2 DURACTIONS OF PULSE 11 ms.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	O	—
BREAKING STRENGTH	MAX 30N SHALL BE APPLIED TO CABLE IN UP AND DOWN, LEFT AND RIGHT DIRECTIONS WHEN MATED.	NO BREAKAGE OF CONNECTOR.	O	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.	①INSULATION RESISTANCE: 10 MΩMIN (AT HIGH HUMIDITY). ②INSULATION RESISTANCE: 100 MΩMIN (AT DRY). ③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	O	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ R/T(1) →+85 → R/T ℃ TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.	①INSULATION RESISTANCE: 100 MΩMIN. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	O	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSIN.	O	—
DRY HEAT	EXPOSED AT +85 ℃, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	O	—
COLD	EXPOSED AT -55 ℃, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	O	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, +380±10℃, FOR IMMERSION DURATION, 3^{+1}_{0} s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	O	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, +350±10℃ FOR IMMERSION DURATION, 2 TO 3 s.	SOLDER SURFACE TO BE FREE FROM PIN-HOLE, NO WETTING AND OTHER DEFECTS.	O	—
SEALING	EXPOSED AT A DEPTH OF 1 m FOR 0.5 h.	NO WATER PENETRATION INSIDE CONNECTOR.	O	—
AIRTIGHTNESS	APPLY AIR PRESSURE 17.6kPa FOR 0.5min TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	O	—

REMARKS

(1) SEALING AND AIRTIGHTNESS SHALL BE TESTED BY APPLICABLE CONNECTER.

NOTE(1) R/T : ROOM TEMPERATURE

Unless otherwise specified, refer to JIS C 5402.

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
M.HANYU	N.Nagano	E.Kunii	M.Sato	
05.08.10	05.08.10	05.08.10	05.08.10	

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

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HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. HR30-6JA-6P(71)

CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ELC4-112570-71	CL130-2018-7-71	1/1

FORM No. 231-1

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