	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	−10 ℃ TO +60 ℃
	VOLTAGE	AC 350 V , DC 490 V	————	————
	CURRENT	5 A	APPLICABLE CABLE	φ8±0.2

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A	4 mΩ MAX.	○	○
	CONTACT SHALL BE MEASURED AT DC — A	— MΩ MAX.	—	—
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	○	○
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○
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.	INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOOK : 30 N MAX. LOCKING DEVICE WITH LOOK : — N MAX.	○	—
MECHANICAL OPERATION	2000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 8 mΩ MAX.	○	—
		— RESISTANCE: — mΩ MAX.	—	—
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 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.	①INSULATION RESISTANCE: — MΩMIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE:100 MΩMIN (AT DRY). ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	○	—
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.	① INSULATION RESISTANCE: 100 MΩ MIN. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	○	—
DRY HEAT	EXPOSED AT + 85 ℃, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
COLD	EXPOSED AT − 55 ℃, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, + 380 ± 10 ℃, FOR SOLDERING DURATION, 3 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, + 350 ± 10 ℃ FOR SOLDERING DURATION, 3 s.	WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	○	—

REMARKS

NOTE(1) R/T : ROOM TEMPERATURE

Unless otherwise specified, refer to JIS C 5402.

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Y.Yamada '05.08.31	Y.Yamada '05.08.31	H.Zemba '05.09.01	M.Sato '05.09.01	

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

TO
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HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. RM12BPE−6PH (71)

CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ELC4-112323−71	CL109−0421−4−71	1/1

FORM No. 231-1