

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-10 °C TO +60 °C			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	AC 100 V, DC 140 V							
	CURRENT	1 A			APPLICABLE CABLE				

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	10 mΩ MAX.	×	×
INSULATION RESISTANCE	100 V DC.	200 MΩ MIN.	×	×
VOLTAGE PROOF	300 V 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.	INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 50 N MAX.	×	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 15 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 °C, 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 -55 → R/T ⁽¹⁾ → +85 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 200 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 °C, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
COLD	EXPOSED AT - 55 °C, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, + 350 ± 10 °C, FOR SOLDERING DURATION, 3 ~ 4 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, + 350 ± 10 °C FOR SOLDERING DURATION, 2 ~ 3 s.	WETTING ON SOLDER SURFACE, NO SOLDER CLUSTER.	×	—

REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE (1) R/T : ROOM TEMPERATURE FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to JIS C 5402.		J. Komatsu '06.01.07	D. Matsuno '06.01.19	E. Kunita '06.01.19	M. Sato '06.01.19	
Note QT: Qualification Test AT: Assurance Test ×: Applicable Test						

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. KMC9BPD-6P (71)
CODE NO. (OLD) CL	DRAWING NO. ELC4-008208-71	CODE NO. CL110-0018-1-71		1/1



