
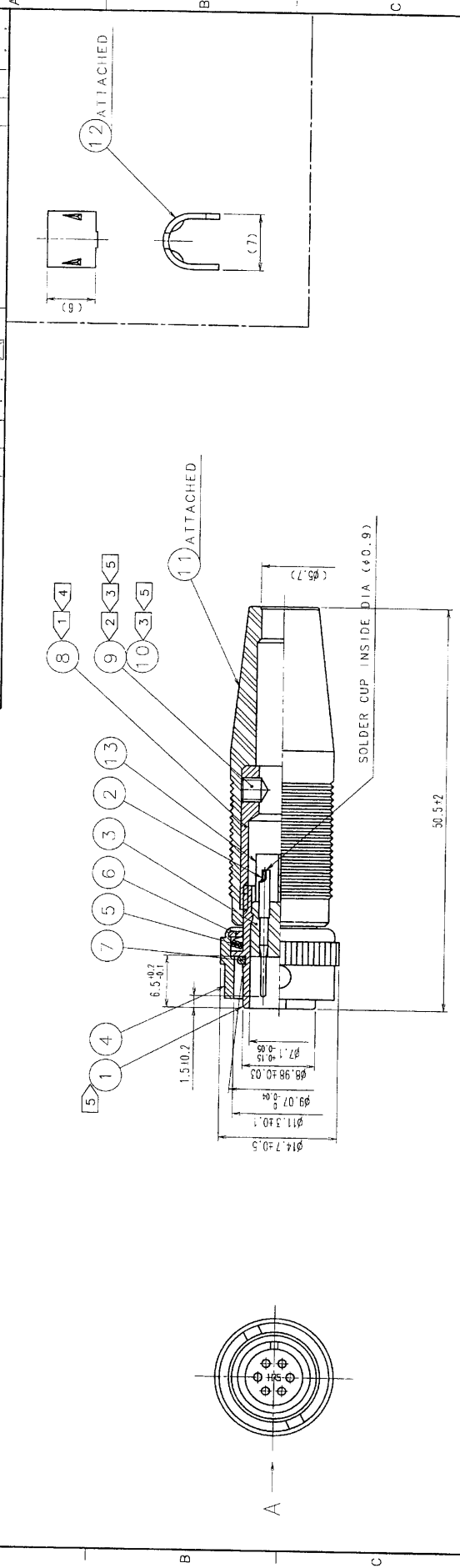


COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-10 °C TO +60 °C			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	AC 100 V, DC 140 V							
	CURRENT	1 A			APPLICABLE 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. Kimii '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)		DRAWING NO.			CODE NO.			1	1
CL		ELC4-008208-71			CL110-0018-1-71				

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



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NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
7	CR	(BLACK)	13	PTFE	
6	BRASS	NICKEL PLATING	12	BRASS	
5	BERYLLIUM COPPER	NICKEL PLATING	11	CR	(BLACK)
4	BRASS	NICKEL PLATING	10	STEEL	NICKEL PLATING M3x0.5x2
3	POLYACETAL	(WHITE)	9	STEEL	NICKEL PLATING M3x0.5x3
2	BRASS	NICKEL PLATING	8	BRASS	NICKEL PLATING
1	BRASS	NICKEL PLATING			

NOTE: 1 REF. NO. 10 SHALL BE ASSEMBLED WITH REF. NO. 9 AND NO. 10.
 2 ACROSS FLATS OF HEXAGON HOLE OF REF. NO. 11, 27.
 3 THE RECOMMENDED CLAMP TORQUE OF REF. NO. 12 AND NO. 13 IS 0.3 TO 0.4 N·m.
 4 THE RECOMMENDED CLAMP TORQUE OF REF. NO. 14 IS 1.5 TO 2 N·m.
 5 LOCTITE 242, LOCTITE OR EQUIVALENT IS RECOMMENDED TO PREVENT ROTATION. 6 ROTATION EXAMPLES OF REF. NOS. 14 AND 8 ARE SHOWN.
 7 GOLD PLATING 2µm min.
 8 NICKEL UNDER PLATING 3µm min.

DRAWN: J. Hernandez, D. Matrone, E. Parrilli, M. Sato
 DESIGNED: 06.01.19
 CHECKED: 06.01.19
 APPROVED: 06.01.19
 RELEASED: 1.2016 USA

DRAWING NO. EDC3-008208-71
 PART NO. KMC9BPD-6P(71)
 CODE NO. CL110-0018-1-71
 HIRSE ELECTRIC CO., LTD.
 HRS

SCALE: 2:1
 UNITS: mm