

参考図：ご確認用。正式には別途納入仕様書をご請求願います。

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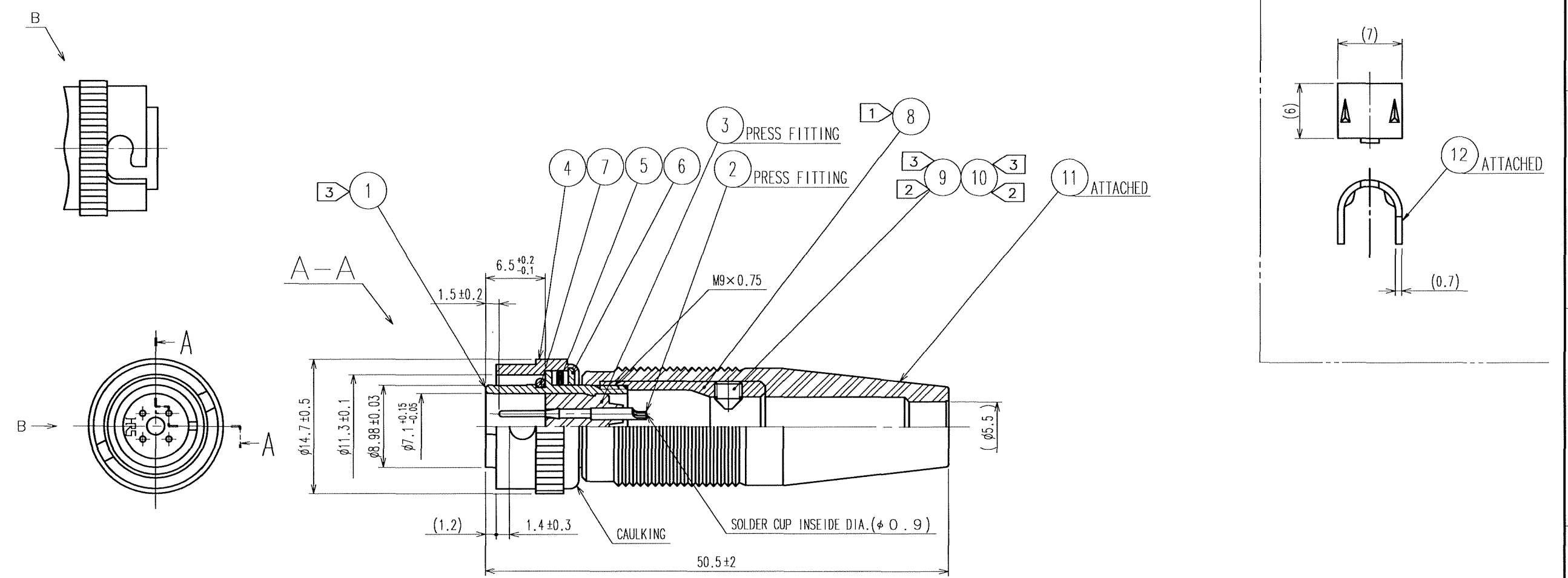
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	AC 100 V, DC 140 V							
	CURRENT	1 A			APPLICABLE CABLE	φ 6			
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.			×	×	
	CONTACT SHALL BE MEASURED AT DC — A			— 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 MIN.			—	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION AND WITHDRAWAL FORCES: 30 N MAX.			×	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.			CONTACT RESISTANCE: 15 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 °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 ⁰ → +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 - 25 °C, 96 h.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, + 350 °C, FOR SOLDERING DURATION, 3 ₀ ⁺¹ s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			×	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, + 350 °C FOR SOLDERING DURATION, 2 TO 3 s.			WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.			×	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE(1) R/T : ROOM TEMPERATURE					H.Kawashima '05.11.21	H.Kawashima '05.11.21	J. Ohigama '05.11.25	M.Sato 05.11.26	
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test. AT:Assurance Test. ×:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. KMC9BPD-4P (71)	
CODE NO. (OLD) CL			DRAWING NO. ELC4-007488-71			CODE NO. CL110-0013-8-71			1/1



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1 2 3 4 5 6 7 8

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- NOTE:
- ① THE RECOMMENDED TIGHTENING TORQUE, REF. NO. ⑧ : 1.5N · m.
 - ② THE RECOMMENDED TIGHTENING TORQUE, REF. NO. ⑨ AND ⑩ : 0.3N · m.
 - ③ COATING WITH LOCTITE 242 MANUFACTURED BY HENKEL JAPAN OR EQUIVALENT IS RECOMMENDED TO PREVENT REF. NO. ①, ⑨ AND ⑩ FROM LOOSENING.
 - ④ ONE EXAMPLE OF THE ROTATION OF REF. NO. ④ AND ⑧ TO REF. NO. ① IS SHOWN.
 - ⑤ SURFACE PLATING : GOLD PLATING 2μ m min.
UNDER PLATING : NICKEL PLATING 3μ m min.

6	BRASS	NICKEL PLATING	12	BRASS	
5	BERYLLIUM COPPER	NICKEL PLATING	11	CR	(BLACK)
4	BRASS	NICKEL PLATING	10	STEEL	NICKEL PLATING <small>JIS B 1101 SLOTTED HEAD MACHINE SCREWS M3x0.5x2</small>
3	POLYACETAL	(WHITE) INCLUDE GLASS 20*	9	STEEL	NICKEL PLATING <small>JIS B 1177 HEXAGON SOCKET SET SCREW M3x0.5x3</small>
2	BRASS	⑤	8	BRASS	NICKEL PLATING
1	BRASS	MATTE FINISH NICKEL PLATING	7	CR	(BLACK)
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS

CODE NO. (OLD)	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	H. Kawashima	H. Kawashima	T. Ohyama	M. Sato	
	05.11.21	05.11.21	05.11.25	05.11.26	

SCALE	DRAWING NO.	PART NO.
2 : 1	EDC3-007488-71	KMC9BPD-4P(71)
UNITS	HRS HIROSE ELECTRIC CO., LTD.	CODE NO.
mm		CL110-0013-8-71

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