

2005/12/16 08:44:12 CAROL TRIBBLE

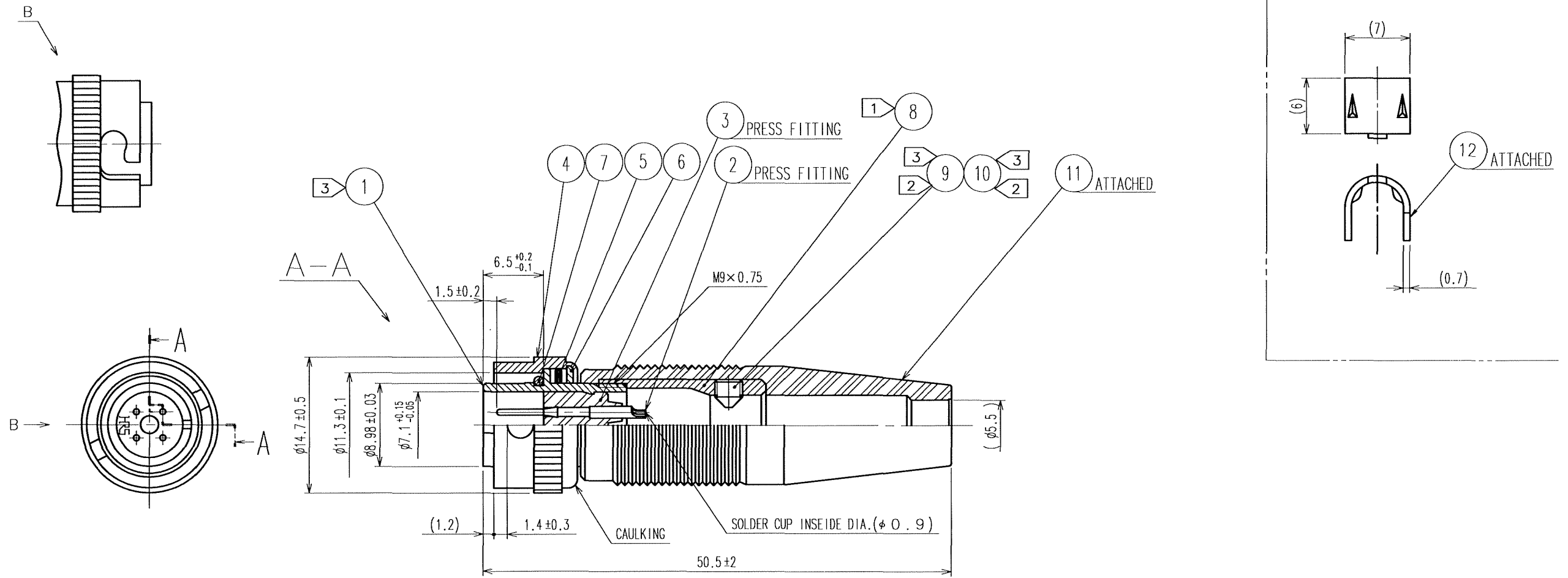
参考図：ご確認用。正式には別途納入仕様書をご請求願います。

TO
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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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- 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 M3×0.5×2</small>
3	POLYACETAL	(WHITE) INCLUDE GLASS 20*	9	STEEL	NICKEL PLATING <small>JIS B 1177 HEXAGON SOCKET SET SCREW M3×0.5×3</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. Ohguro	M. Sato	
	05.11.21	05.11.21	05.11.25	05.11.26	

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