

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
	VOLTAGE	AC 100 V, DC 140 V	
	CURRENT	1 A	APPLICABLE CABLE
			-10 °C TO +60 °C
			φ 6

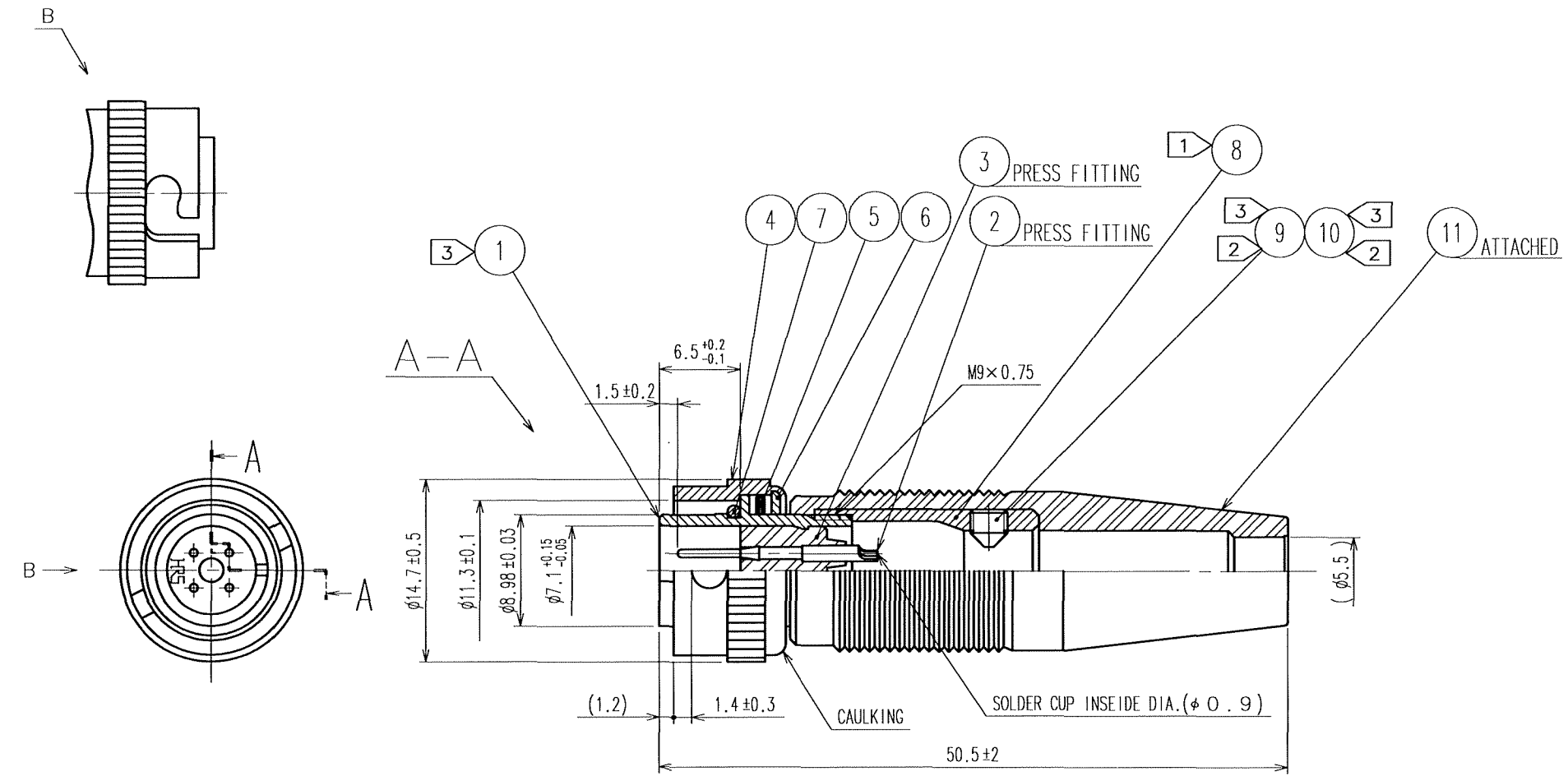
SPECIFICATIONS

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 ^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 - 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				
NOTE(1) R/T : ROOM TEMPERATURE		DRAWN	DESIGNED	CHECKED
		H. Kawashima	H. Kawashima	T. Ohigama
		'05.11.21	'05.11.21	'05.11.25
				M. Sato
				'05.11.26
Unless otherwise specified, refer to JIS C 5402.		APPROVED		
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test		RELEASED		
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.
				KMC9BPD-4P (71)
CODE NO. (OLD)	DRAWING NO.	CODE NO.		
CL	ELC4-007488-71	CL110-0013-8-71	1/1	

A
B
C
D
E
F

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 2μm min.
UNDER PLATING : NICKEL PLATING 3μm min.

6	BRASS	NICKEL PLATING	12	BRASS	
5	BERYLLIUM COPPER	NICKEL PLATING	11	CR	(BLACK)
4	BRASS	NICKEL PLATING	10	STEEL	NICKEL PLATING JIS B 1101 SLOTTED HEAD MACHINE SCREWS M3×0.5×2
3	POLYACETAL	(WHITE) INCLUDE GLASS 20*	9	STEEL	NICKEL PLATING JIS B 1177 HEXAGON SOCKET SET SCREW M3×0.5×3
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
			H. Kawashima	H. Kawashima	T. Ohgami
			05.11.21	05.11.21	05.11.25
DRAWING NO. EDC3-007488-71			PART NO. KMC9BPD-4P(71)		
SCALE 2 : 1			CODE NO. CL110-0013-8-71		
UNITS mm			1/1		
HRS HIROSE ELECTRIC CO., LTD.					