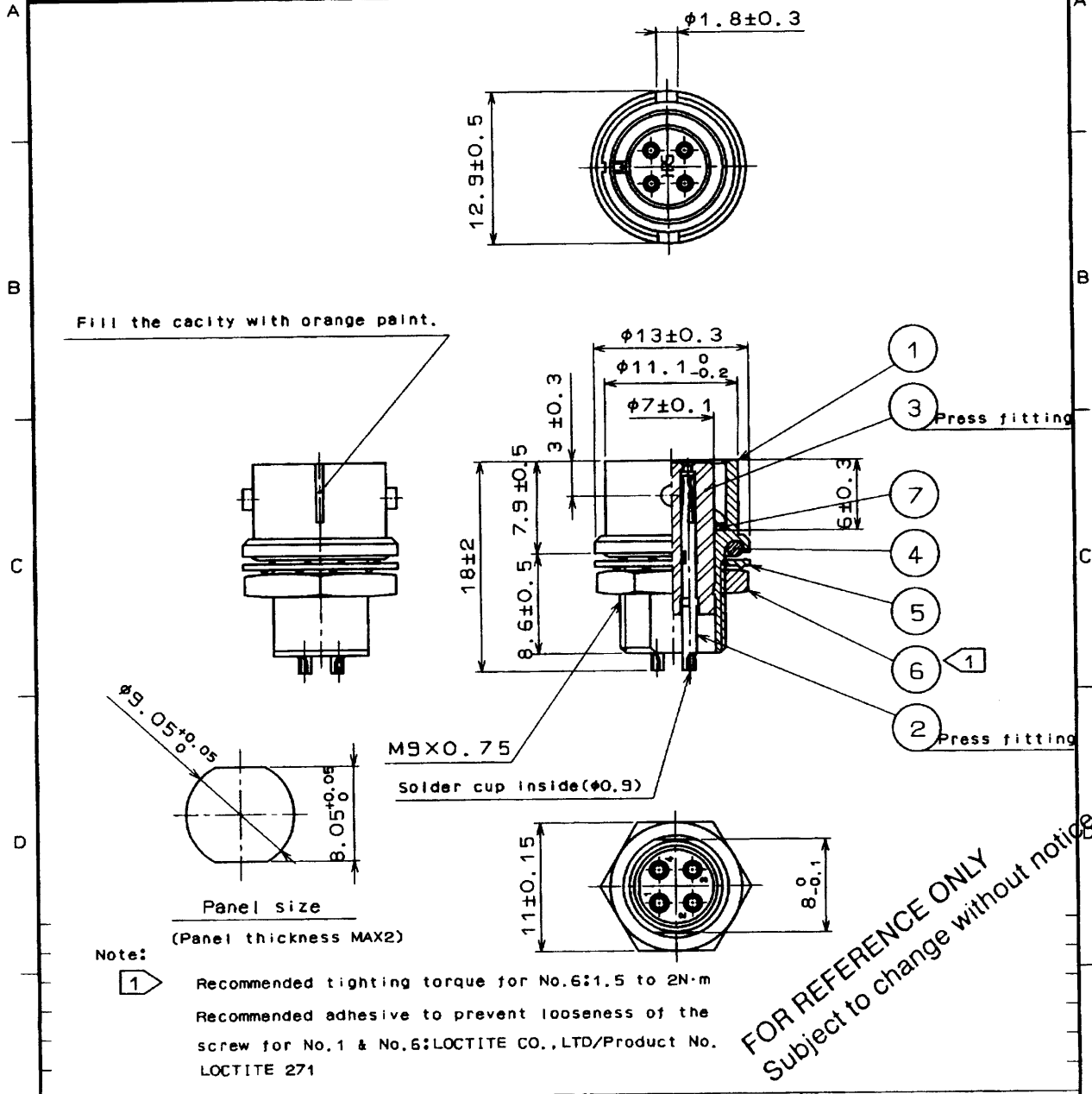


COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-10 °C TO 60 °C			STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C			
	VOLTAGE	AC 100 V, DC 140 V							
	CURRENT	1 A			APPLICABLE CABLE				
S P E C I F I C A T I O N S									
ITEM		TEST METHOD			REQUIREMENTS			QT/AT	
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○ ○	
MARKING		CONFIRMED VISUALLY.						○ ○	
ELECTRICAL 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		0 φ0.610 -0.003 BY STEEL GAUGE.			INSERTION AND WITHDRAWAL FORCES: 0.2 N MIN.			○ -	
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR, WITHOUT LOCKING DEVICE.			INSERTION AND WITHDRAWAL FORCES: 30 N MAX.			○ -	
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS			CONTACT RESISTANCE: 15 mΩ MAX.			○ -	
VIBRATION		FREQUENCY 10 TO 55 Hz, 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 DURATION 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 -30 →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 MAX. 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 - 30 °C, 96 h.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○ -	
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, +350 ± 10 °C FOR IMMERSION, DURATION, 3~4 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			○ -	
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, +350 ± 10 °C FOR IMMERSION DURATION, 2~3 s.			NO DEFECT AS PINHOLE, NON-WETTING AND DE-WETTING OF SOLDER EXIST OR NOT ON THE SURFACE IMMersed.			○ -	
FOR REFERENCE ONLY Subject to change without notice									
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				H. YOKOMIZO	M. SATOH		M. OYAKIWA		HRS 5.19.03 USA
NOTE ¹ ROOM TEMPERATURE. Unless otherwise specified, refer to JIS C 5402.				97.8.18	97.8.18		97.8.23		
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. KMC9BRD-4S		
CODE NO. (OLD) CL		DRAWING NO. ELC4-007490			CODE NO. CL 110-0015-3			1/1	

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



Note:
 1 Recommended tightening torque for No.6: 1.5 to 2N·m
 Recommended adhesive to prevent looseness of the screw for No.1 & No.6: LOCTITE CO., LTD/Product No. LOCTITE 271

FOR REFERENCE ONLY
 Subject to change without notice

NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS
4	Synthetic rubber	(Black)					
3	Polyacetal	(White)		7	Beryllium copper	Nickel plating	
2	Phosphor bronze	Gold plating		6	Steel	Nickel plating	
1	Zinc alloy	Nickel plating		5	Steel	Nickel plating	

CODE NO. (OLD)	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	H. YOKOMIZO	M. Satoh		M. Yoshida	HRS 5.19.73 USA
	97.8.6	97.8.18		97.8.23	

SCALE	DRAWING NO.	PART NO.	CODE NO.
2 : 1	EDC4-007490	KMC9BRD-4S	CL110-0015-3
UNITS	HRS HIROSE ELECTRIC CO., LTD.		1/1
m.m			

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