

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	AC 500 V , DC 700 V				
	CURRENT	5 A		APPLICABLE CABLE		
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT AT	
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X	
MARKING		CONFIRMED VISUALLY.			X X	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A		4 mΩ MAX.	X X	
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.	X X	
VOLTAGE PROOF		1500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X X	
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND WITHDRAWAL FORCES		φ0.991 ^{+0.003} / ₀ BY STEEL GAUGE.		INSERTION AND WITHDRAWAL FORCES : 0.2 N MIN.	X —	
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH LOOK.		INSERTION AND WITHDRAWAL FORCES : 15 N MAX.	X —	
MECHANICAL OPERATION		2000 TIMES INSERTIONS AND EXTRACTIONS.		CONTACT RESISTANCE: 8 mΩ MAX.	X —	
VIBRATION		FREQUENCY: 10 TO 55 TO 10 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 49 MINUTES, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X —	
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X —	
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.		① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY) ② INSULATION RESISTANCE: 100 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —	
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: 100 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION RUIN THE FUNCTION.	X —	
DRY HEAT		EXPOSED AT + 85 °C , 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —	
COLD		EXPOSED AT - 55 °C , 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —	
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, +380±10°C ,FOR IMMERSION DURATION, 3 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X —	
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, +350+10°C FOR IMMERSION DURATION, 3 s.		WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	X —	
SEALING ^{(2) (3)}		EXPOSED AT A DEPTH OF 0.5 m FOR 48 h.		NO WATER PENETRATION INSIDE CONNECTOR.	X —	
AIRTIGHTNESS ^{(2) (3)}		APPLY AIR PRESSURE 4.9 kPa FOR 0.5 min TO INSIDE CONNECTOR.		NO AIR BUBBLES FROM CONNECTOR INTERFACE.	X X	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
0						
REMARK NOTES (1) R/T : ROOM TEMPERATURE (2) SEALING AND AIRTIGHTNESS TESTS ARE TO BE PERFORMED WITH NO LOAD APPLIED TO THE CABLE AND OTHERS. (3) SEALING AND AIRTIGHTNESS SHALL BE TESTED UNDER MATED CONDITION WITH AN APPLICABLE CONNECTOR.				APPROVED	SU. OBARA	11.09.12
				CHECKED	HY. KISHI	11.09.12
				DESIGNED	WR. AJIRO	11.09.12
				DRAWN	WR. AJIRO	11.09.12
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-110073-71	
HRS	SPECIFICATION SHEET		PART NO.	RM12WBP-3S (71)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL109-1142-6-71	1/1	

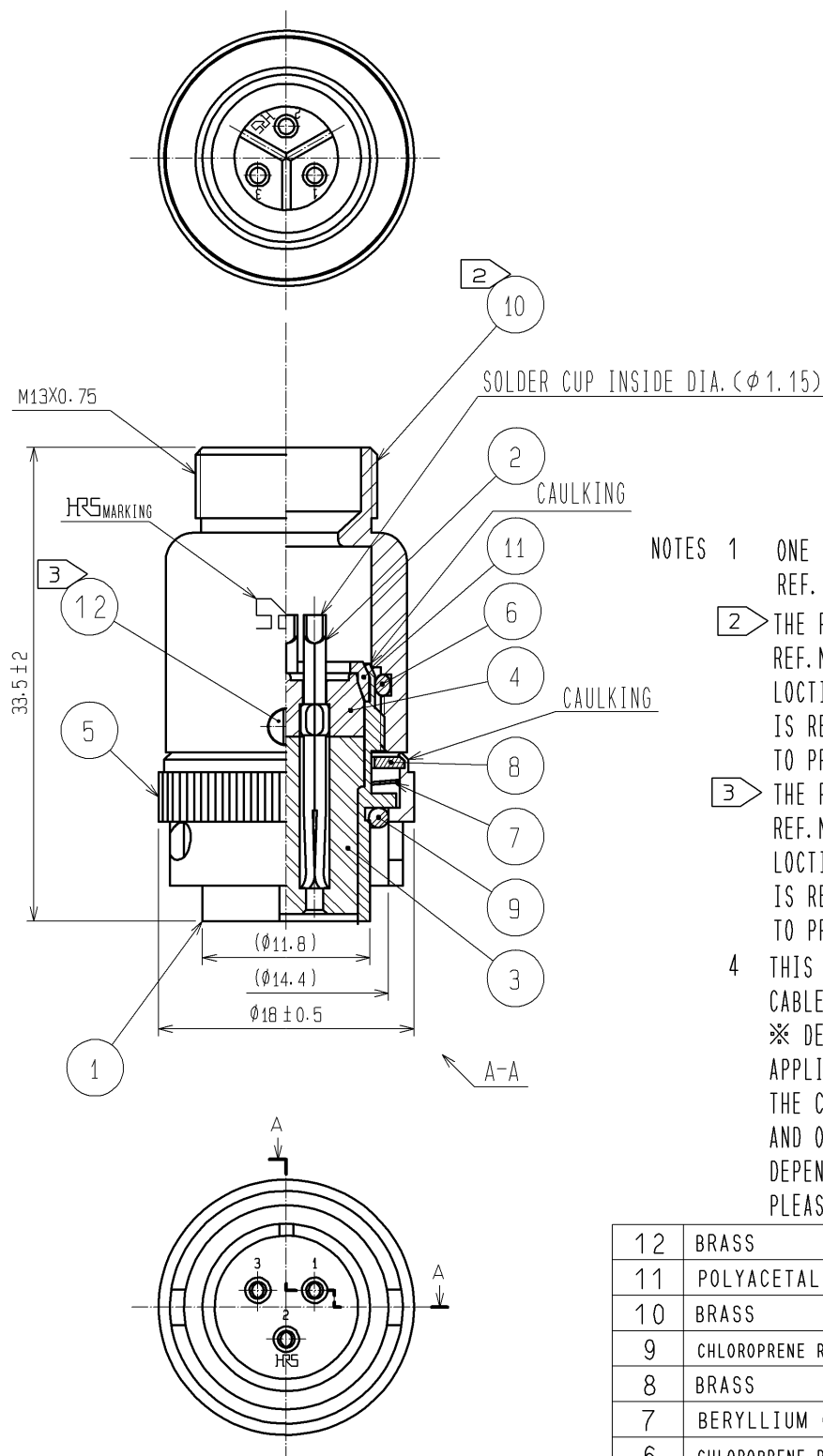
参考図：ご確認用。正式には別途納入仕様書をご請求願います。

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FORM HD0011-2-1

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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- NOTES 1 ONE EXAMPLE OF THE ROTATION OF REF. NO. ⑩ TO REF. NO. ① IS SHOWN.
- 2 THE RECOMMENDED CLAMP TORQUE, REF. NO. ⑩ : 2~3 N · m. LOCTITE 242, HENKEL JAPAN OR EQUIVALENT IS RECOMMENDED TO PREVENT REF. NO. ⑩ FOR LOOSENING.
- 3 THE RECOMMENDED CLAMP TORQUE, REF. NO. ⑫ : 0.2~0.3 N · m. LOCTITE 242, HENKEL JAPAN OR EQUIVALENT IS RECOMMENDED TO PREVENT REF. NO. ⑫ FOR LOOSENING.
- 4 THIS PRODUCTS TO BE USED WITH CABLE CLAMP: RM12WBP-CP(※)(71). ※ DESIGNATE DIAMETER(mm) OF APPLICABLE CABLE. THE CABLE PULL AND TWISTING STRENGTH AND OTHER CHARACTERISTICS MAY DIFFER. DEPENDING ON THE CABLE STRUCTURE. PLEASE CONFIRM BEFORE THE USE.

12	BRASS	NICKEL PLATING
11	POLYACETAL	(NATURAL)
10	BRASS	NICKEL PLATING
9	CHLOROPRENE RUBBER	(BLACK)
8	BRASS	NICKEL PLATING
7	BERYLLIUM COPPER	NICKEL PLATING
6	CHLOROPRENE RUBBER	(BLACK)
5	BRASS	NICKEL PLATING
4	DIALLYL PHTHALATE	(BLACK) UL94V-0
3	DIALLYL PHTHALATE	(BLACK) UL94V-0

2	COPPER ALLOY	SILVER PLATING 4 μ min
1	BRASS	NICKEL PLATING
NO.	MATERIAL	FINISH , REMARKS
NO.	MATERIAL	FINISH , REMARKS
UNITS mm	SCALE 2 : 1	COUNT
DESCRIPTION OF REVISIONS	DESIGNED	CHECKED
DATE		
APPROVED : SU. OBARA	11. 09. 12	DRAWING NO. EDC4-110073-71
CHECKED : HY. KISHI	11. 09. 12	PART NO. RM12WBP-3S(71)
DESIGNED : WR. AJIRO	11. 09. 12	CODE NO. CL109-1142-6-71
DRAWN : WR. AJIRO	11. 09. 12	