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/s2 AT 49 MINUTES, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO 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 ℃, 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 ℃ 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 CORROSIN RUIN THE FUNCTION.	X	—
DRY HEAT	EXPOSED AT + 85 ℃ , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
COLD	EXPOSED AT − 55 ℃ , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, +380±10℃ , FOR IMMERSION DURATION, 3 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, +350±10℃ 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
A					

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.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	SU. OBARA	11.09.12
CHECKED	HY. KISHI	11.09.12
DESIGNED	WR. AJIRO	11.09.12
DRAWN	WR. AJIRO	11.09.12

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

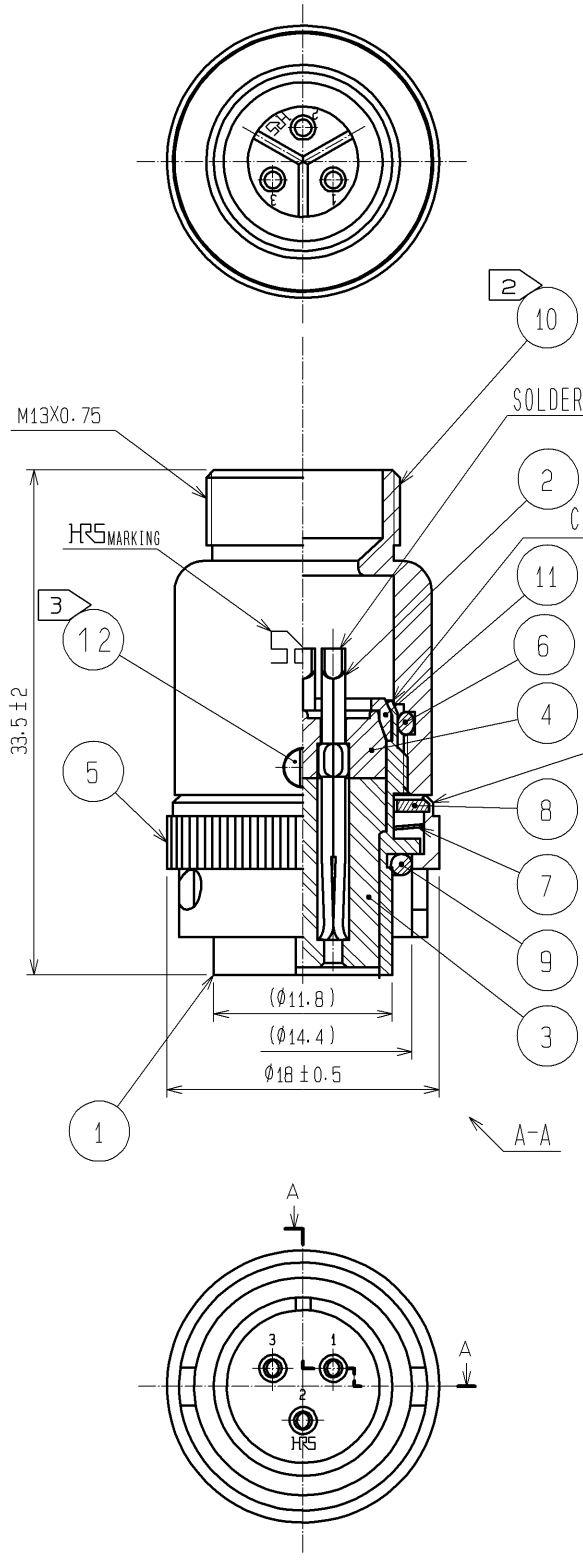
DRAWING NO. ELC4-110073-71

HRS	SPECIFICATION SHEET	PART NO.	RM12WBP-3S(71)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL109-1142-6-71 A	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。

2016/04/08 08:26:37(JST) HK.HORINO

FORM HD0011-2-1



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.

NO.	MATERIAL	FINISH , REMARKS
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 4μ min
1	BRASS	NICKEL PLATING
NO.	MATERIAL	FINISH , REMARKS

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△				

HIROSE ELECTRIC CO., LTD.

APPROVED	SU.OBARA	11.09.12
CHECKED	HY.KISHI	11.09.12
DESIGNED	WR.AJIRO	11.09.12
DRAWN	WR.AJIRO	11.09.12

DRAWING NO.	EDC4-110073-71
PART NO.	RM12WBP-3S(71)
CODE NO.	CL109-1142-6-71 △ 1/1