

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	AC 350 V , DC 490 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	1000 V AC. FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND WITHDRAWAL FORCES	BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : -N .	-	-	
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH UNLOCK.	INSERTION AND WITHDRAWAL FORCES : 70 N MAX.	X	-	
MECHANICAL OPERATION	2000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 8 mΩ MAX.	X	-	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, m/s ² , AT 10 CYCLES, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO 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: 100 MΩ MIN (AT DRY). ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → R/T ⁽¹⁾ → +85 → R/T °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 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	PLACE SOLDERING IRON (IRON TIP TEMPERATURE +380±10°C) AND SOLDER TO SOLDERING POT AREA FOR 3 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	-	
SOLDERABILITY	PLACE SOLDERING IRON (IRON TIP TEMPERATURE +350±10°C) AND SOLDER TO SOLDERING POT AREA FOR 3 s.	WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	X	-	
SEALING ⁽²⁾	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	-	
AIRTIGHTNESS ⁽²⁾	APPLY AIR PRESSURE 17.6 kPa FOR 0.5 min TO INSIDE CONNECTOR.	NO AIR BUBBLES FROM CONNECTOR INTERFACE.	X	-	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
①					
REMARK			APPROVED	EJ. KUNII	15.01.30
NOTES (1) R/T : ROOM TEMPERATURE			CHECKED	EJ. KUNII	15.01.30
(2) SEALING AND AIRTIGHTNESS.			DESIGNED	WR. AJIRO	15.01.30
SHALL BE TESTED UNDER MATED CONDITION WITH AN APPLICABLE CONNECTOR.			DRAWN	WR. AJIRO	15.01.30
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-111098-72-72
HRS	SPECIFICATION SHEET		PART NO.	RM15WTRZB-12P (72)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL109-1676-0-72	△ 1/1