


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		φ 0.991 ^{+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 UNLOOK.	INSERTION AND WITHDRAWAL FORCES : 30 N MAX.	X	—
MECHANICAL OPERATION		2000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 8 mΩ MAX.	X	—
VIBRATION		FREQUENCY : 10 → 55 → 10(Hz) (10CYC, 5min), SINGLE AMPLITUDE 0.75 mm, AT 10CYC, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK		IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s ² DURATION OF PULSE 11 ms.	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: 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		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	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Q					
REMARK NOTE (1) R/T : ROOM TEMPERATURE			APPROVED	HY. KOBAYASHI	15. 11. 19
			CHECKED	HY. KOBAYASHI	15. 11. 19
			DESIGNED	KN. IKEHARA	15. 11. 19
			DRAWN	KN. IKEHARA	15. 11. 19
Unless otherwise specified, refer to JIS C 5402. (IEC 60512)					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-006362-81-00
HRS	SPECIFICATION SHEET		PART NO.	RM12BRB-6S (81)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL109-0581-0-81	 1/1