


APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-20 °C TO +125 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	AC 200 V , DC 250 V				
	CURRENT	3 A		APPLICABLE CABLE	(φ8.0 TO φ9.0)	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×	×
MARKING		CONFIRMED VISUALLY.			×	×
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT 1 A DC. (MIL-C-2316)		20 mΩ MAX.	×	×
INSULATION RESISTANCE		500 V DC. (MIL-STD-1344 3003)		1000 MΩ MIN.	×	×
VOLTAGE PROOF		900 V AC FOR 1 min. (MIL-STD-1344 3001)		NO FLASHOVER OR BREAKDOWN.	×	×
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND WITHDRAWAL FORCES		φ0.736 ⁰ _{-0.003} BY STEEL GAUGE.		INSERTION AND WITHDRAWAL FORCES : 0.2 N MIN.	×	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 50 N MAX.	×	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS. (MIL-C-5015 4.6.12.2)		CONTACT RESISTANCE : 30 mΩ MAX.	×	—
VIBRATION		FREQUENCY 10 TO 500 Hz, SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 3 h, FOR 3 DIRECTIONS. (MIL-STD-1344 2005, CONDITION II)		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK		490 m/s ² DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS. (MIL-STD-1344 2004, CONDITION E)		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→R/T ⁽¹⁾ →+125→R/T °C TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES. (MIL-C-5015 4.6.4)		① INSULATION RESISTANCE: 500 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 71 °C, 95 %, 336 h. (MIL-C-5015 4.6.10)		① INSULATION RESISTANCE: 50 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 500MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
CORROSION SULPHUR DIOXIDE		EXPOSED IN SO ₂ :670ppm 40°C FOR 8 h. AND 18 TO 28°C FOR 16 h. (DIN 50018)		NO HEAVY CORROSION.	×	—
SEALING		EXPOSED AT A DEPTH OF 1 m FOR 0.5 h. (JIS B 6015)		NO WATER PENETRATION INSIDE CONNECTOR.	×	—
AIRTIGHTNESS		APPLY AIR PRESSURE 40 kPa FOR 30 SEC TO INSIDE CONNECTOR.		NO AIR BUBBLES FROM CONNECTOR INTERFACE.	×	—
OIL RESISTING		DROP CUTTING OIL FOR 48 HOURS AT THE RATE OF 0.5L EVERY HOUR. (JIS B 6015)		NO OIL SEEPAGE INSIDE CONNECTOR.	×	—
RESISTANCE TO SOLDERING HEAT		PLACE SOLDERING IRON (IRON TIP TEMPERATURE +350± 10°C)AND SOLDER TO SOLDERING POT AREA FOR 3 TO 4 s.		NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY		PLACE SOLDERING IRON (IRON TIP TEMPERATURE +350± 10°C)AND SOLDER TO SOLDERING POT AREA FOR 2 TO 3 s.		SOLDER SURFACE TO BE FREE NON-WETTING, DE-WETTING AND OTHER DEFECTS.	×	—
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48h. (MIL-STD-1344 3001, CONDITION B)		NO HEAVY CORROSION.	×	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△						
REMARK NOTE(1) R/T :ROOM TEMPERATURE.			APPROVED	SU. OBARA	10. 07. 21	
			CHECKED	HY. KISHI	10. 07. 21	
			DESIGNED	TH. KAMEYA	10. 07. 21	
			DRAWN	YS. SAKODA	10. 07. 21	
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-116797-00	
	SPECIFICATION SHEET		PART NO.	HR34B-12WLPK-10S		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL134-0054-5-00	△	1/1