



APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-20 °C TO +125 °C		STORAGE TEMPERATURE RANGE	-20 °C TO +85 °C		
	VOLTAGE	AC 200 V , DC 250 V					
	CURRENT	—		APPLICABLE CABLE	 (φ 6.5) TO (φ 7.3)		
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 DC 1 A (MIL-C-2316)		20 mΩ MAX.	×	—	
INSULATION RESISTANCE		DC 500 V DC. (MIL-STD-1344 3003)		1000 MΩ MIN.	×	×	
VOLTAGE PROOF		AC 900 V AC FOR 1 min. (MIL-STD-1344 3001)		NO FLASHOVER OR BREAKDOWN.	×	×	
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND WITHDRAWAL FORCES		φ 0.736 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 LOCK : 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 DIRECTIONS 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.	×	—	
CONTACT RETENTION FORCE		APPLYING A PULL FORCE THE WIRE AFTER THE APPLICABLE CRIMPED CONTACT IS ASSEMBLED THE BODY.		20 N MIN.	×	—	
ENVIRONMENTAL CHARACTERISTICS							
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.	×	—	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ R/T ⁽¹⁾ → +125 → R/T °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES. (MIL-C-5015 4.6.4)		① INSULATION RESISTANCE: 500 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—	
CORROSION SULPHUR DIOXIDE		EXPOSED IN SO ₂ :670ppm 40°C FOR 8 h. EXPOSED IN SO ₂ :670ppm 18 TO 28°C FOR 16 h. (DIN 50018)		NO HEAVY CORROSIN RUIN THE FUNCTION.	×	—	
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.	×	—	
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48h. (MIL-STD-1344 3001, CONDITION B)		NO HEAVY CORROSIN RUIN THE FUNCTION.	×	—	
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.		A SOLDERING SIDE IS TO BE WET WITH SOLDER. AND, NO SMALL LUMP OF THE SOLDER.	×	—	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
	1	DIS-C-001334		DS. MATSUNE	SU. OBARA	09.06.15	
REMARK				APPROVED	MO. SATOH	08.05.19	
NOTE(1) R/T :ROOM TEMPERATURE				CHECKED	SI. MATSUZAKI	08.05.19	
(2) THE STD. VALUE ABOVE INDICATES AT THE STATE APPLICABLE CONTACT ASSEMBLED.				DESIGNED	HT. ZENBA	08.05.13	
Unless otherwise specified, refer to JIS C 5402.				DRAWN	HT. ZENBA	08.05.13	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-115411-00	
	SPECIFICATION SHEET			PART NO.	HR34B-12WLPE-10SC		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL134-0042-6-00	 1/1	