





APPLICABLE STANDARD		 TÜV approved(R50133616)					
RATING	OPERATING TEMPERATURE RANGE	-20 °C TO +125 °C		STORAGE TEMPERATURE RANGE	-20 °C TO +85 °C		
	VOLTAGE	AC 200 V , DC 200 V (POLUTION DEGREE 3, OVER VOLTAGE CATEGORY 3 IS APPLIED.) AC 400 V , DC 400 V (POLUTION DEGREE 2, OVER VOLTAGE CATEGORY 2 IS APPLIED.)					
	CURRENT	5 A		APPLICABLE CABLE	 (φ6.5) TO (φ7.3)		
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 2000 V AC FOR 1 min. (MIL-STD-1344 3001)		NO FLASHOVER OR BREAKDOWN.		×	×
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND WITHDRAWAL FORCES		φ0.991 <sup>+0.003</sup> <sub>0</sub> 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 <sup>2</sup> 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 <sup>2</sup> 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.		×	—
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ R/T <sup>(1)</sup> → +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.		×	—
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 <sub>2</sub> :670ppm 40°C FOR 8 h. EXPOSED IN SO <sub>2</sub> :670ppm 18 TO 28°C FOR 16 h. (DIN 50018)		NO HEAVY CORROSIN.		×	—
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.		A SOLDERING SIDE IS TO BE WET WITH SOLDER. AND, NO SMALL LUMP OF THE SOLDER.		×	—
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48h. (MIL-STD-1344 3001, CONDITION B)		NO HEAVY CORROSIN RUIN THE FUNCTION.		×	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
	1	DIS-C-001439		WR. AJIRO		TH. KAMEYA	09.10.17
REMARK NOTE(1) R/T :ROOM TEMPERATURE				APPROVED	MO. SATOH	07.04.13	
				CHECKED	KY. EZAWA	07.04.13	
				DESIGNED	HT. ZENBA	07.04.13	
				DRAWN	HT. ZENBA	06.11.08	
Unless otherwise specified, refer to JIS C 5402.				DRAWING NO.		ELC4-115189-00	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test							
	SPECIFICATION SHEET			PART NO.	HR34B-12WPE-4S		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL134-0025-7-00		1/1