

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	3 A		APPLICABLE CABLE	 (φ5.7) TO (φ6.5)	
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		φ0.736 <sup>0</sup> <sub>-0.003</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→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 <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 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.	×	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
	1	DIS-C-001334		DS. MATSUNE	SU. OBARA	09.06.15
REMARK				APPROVED	MO. SATOH	06.09.05
NOTE (1) R/T : ROOM TEMPERATURE.				CHECKED	EJ. KUNII	06.09.05
(2) THE STD. VALUE ABOVE INDICATES AT THE STATE APPLICABLE CONTACT ASSEMBLED				DESIGNED	HS. NAGANO	06.09.04
				DRAWN	HS. NAGANO	06.09.04
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.	ELC4-114745-00	
	SPECIFICATION SHEET			PART NO.	HR34B-12WPA-10SC	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL134-0017-9-00	 1/1