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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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.	×	—
CONTACT RETENTION FORCE	APPLYING A PULL FORCE THE WIRE AFTER THE APPLICABLE CRIMPED CONTACT IS ASSEMBLED THE BODY.	20 N MIN.	×	—
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.	×	—
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

NOTES (1) R/T :ROOM TEMPERATURE.
(2) THE STANDARD VALUE ABOVE INDICATES AT THE STATE APPLICABLE CONTACT ASSEMBLED.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	SU. OBARA	10. 07. 21
CHECKED	HY. KISHI	10. 07. 21
DESIGNED	TH. KAMEYA	10. 07. 21
DRAWN	YS. SAKODA	10. 07. 21

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-116798-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. HR34B-12WLPK-10SC

CODE NO. CL134-0055-8-00 △1 1/1

FORM HD0011-2-1