APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−10 °C TO +60 °C	STORAGE TEMPERATURE RANGE	−10 °C TO +60 °C
	VOLTAGE	AC 100 V , DC 140 V	————	————
	CURRENT	— A	APPLICABLE CABLE	φ7.8±0.2

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A	15 mΩ MAX.	X	—
INSULATION RESISTANCE	250 V DC.	1000 MΩ MIN. ⚠1	X	X
VOLTAGE PROOF	300 V AC. FOR 1 min.	NO FLASHOVER OR BREAKDOWN. ⚠1	X	X
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND WITHDRAWAL FORCES	$\phi 0.57^{0}_{-0.003}$ BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : 0.15 N MIN.	X	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH LOCK : 70 N MAX.	X	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 20 mΩ MAX.	X	—
VIBRATION	FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s2 AT 2h, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK	490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
CONTACT RETENTION FORCE	APPLYING A PULL FORCE THE WIRE AFTER THE APPLICABLE CRIMPED CONTACT IS ASSEMBLED WITH THE BODY.	20 N MIN.	X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.	① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE:100 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55→ R/T(1) → +85 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 100 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION RUIN THE FUNCTION.	X	—
DRY HEAT ⚠1	EXPOSED AT + 85 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
COLD ⚠1	EXPOSED AT − 55 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠1	4	DIS-C-001413	TY. SUZUKI	HY. KISHI	09. 09. 16

REMARK

NOTES (1) R/T : ROOM TEMPERATURE.

(2) ABOVE SPECIFICATIONS SHOWS THE VALVE IN ASSEMBLED CONDITION WITH APPLICABLE CRIMP CONTACT.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	MO. SATOH	08. 12. 03
CHECKED	HY. KOBAYASHI	08. 12. 03
DESIGNED	TH. KAMEYA	08. 12. 03
DRAWN	TH. KAMEYA	08. 12. 03

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

DRAWING NO. ELC4-040899-71

HRS	SPECIFICATION SHEET	PART NO.	RP13A-12PS-20SC(71)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL113-1022-3-71 ⚠1	1/1

FORM HD0011-2-1