APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-15 ℃ TO +60 ℃	STORAGE TEMPERATURE RANGE	-15 ℃ TO +60 ℃
	VOLTAGE	AC 100 V , DC 140 V	————	————————
	CURRENT	1 A	————	————————

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(1)	CONTACT SHALL BE MEASURED AT DC 1 A	292 mΩ MAX.	○	○
	GROUND SHALL BE MEASURED AT DC 1 A	112 mΩ MAX.	○	○
INSULATION RESISTANCE	250 V DC.	200 MΩ MIN.	○	○
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND WITHDRAWAL FORCES	— BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : — N	—	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE.	INSERTION AND WITHDRAWAL FORCES :5 TO 50 N.	○	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 302 mΩ MAX.	○	—
		GROUND RESISTANCE: 132 mΩ MAX.	○	—
VIBRATION	FREQUENCY: 10 TO 55 Hz,SINGLE AMPLITUDE 1.5 mm, — m/s^2 AT 2h, FOR 3 DIRECTIONS.	1)NO ELECTRICAL DISCONTINUITY OF 1 μs. 2)NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.	1) INSULATION RESISTANCE: 2 MΩ MIN (AT HIGH HUMIDITY). 2) INSULATION RESISTANCE: 20 MΩ MIN (AT DRY). 3) NO DAMAGE.CRACK AND LOOSENESS OF PARTS.	○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -15→ R/T → +60 → R/T ℃ TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.	1) INSULATION RESISTANCE: 1000 MΩ MIN. 2) NO DAMAGE.CRACK AND LOOSENESS OF PARTS.	○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	○	—
DRY HEAT	EXPOSED AT +85 ℃ , 96 h.	NO DAMAGE,CRACK AND LOOSENESS OF PARTS.	○	—
COLD	EXPOSED AT - 55 ℃ , 96 h.	NO DAMAGE,CRACK AND LOOSENESS OF PARTS.	○	—
SEALING	EXPOSED AT A DEPTH OF OF – m FOR — h.	NO WATER PENETRATION INSIDE CONNECTOR.	—	—
AIRTIGHTNESS	APPLY AIR PRESSURE – Pa FOR – h TO INSIDE CONNECTOR.	NO ARI BUBBLES INSIDE CONNECTOR.	—	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

REMARK
(1) CONTACT RESISTANCE INCLUDES BULX RESISTANCE OF USED WIRE.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	KH. SHIINA	15. 07. 21
CHECKED	TS. FURUYA	15. 07. 21
DESIGNED	MK. OGURA	15. 07. 21
DRAWN	MK. OGURA	15. 07. 21

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

DRAWING NO. ELC-102131-71-00

HRS	SPECIFICATION SHEET	PART NO.	HR12-10LA8PS1065(71)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL112-3040-0-71 △0	1/1

FORM HD0011-2-1