APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−25℃ TO +85℃	STORAGE TEMPERATURE RANGE	−10℃ TO +60℃
	VOLTAGE	AC 100 V , DC 140 V	————	————
	CURRENT	10 A	APPLICABLE CABLE	————

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	5 mΩ MAX.	X	X
	CONTACT SHALL BE MEASURED AT DC — A	— mΩ MAX.	—	—
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	X
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND WITHDRAWAL FORCES	—— BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : — N MIN.	—	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH LOOK.	INSERTION AND WITHDRAWAL FORCES : 32 N MAX.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 5 mΩ MAX.	X	—
		—— RESISTANCE: — mΩ MAX.	—	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s^2 AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 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 −40 → R/T(2) → +100 → 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.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 500 h.	NO HEAVY CORROSION.	X	—
DRY HEAT	EXPOSED AT +100 ℃ , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
COLD	EXPOSED AT −40 ℃ , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, +380±10 ℃ , FOR IMMERSION DURATION, $3\ ^{+1}_{0}$ s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, +350±10℃ FOR IMMERSION DURATION, 2 ～ 3 s.	WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	X	—
SEALING(1)	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	—
AIR TIGHTNESS(1)	APPLY AIR PRESSURE 18 kPa FOR 0.5 min TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					

REMARK
(1) SEALING AND AIR TIGHTNESS SHALL BE TESTED BY APPLICABLE CONNECTOR.
(2) R/T : ROOM TEMPERATURE

Unless otherwise specified, refer to IEC 60512.(JIS C 5402)

APPROVED	HY.KOBAYASHI	18.03.15
CHECKED	HY.KOBAYASHI	18.03.15
DESIGNED	TH.KAMEYA	18.03.15
DRAWN	TH.KAMEYA	18.03.15

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

DRAWING NO. ELC-110579-31-00

HRS	SPECIFICATION SHEET	PART NO.	JR16WR-7P(31)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL114-2025-3-31 △1	1/1

FORM HD0011-2-1