

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	AC 100 V , DC 140 V	APPLICABLE CABLE	—————	
	CURRENT	5 A			
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	10 mΩ MAX.	X	—
INSULATION RESISTANCE		500 V DC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF		1000 V AC. FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS					
CONTACT RETENTION FORCES		APPLYING A PULL THE WIRE AFTER THE APPLICABLE CRIMPED CONTACT IS ASSEMBLE THE BODY.	50 N MIN.	X	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 34 N MAX	X	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 10 mΩ MAX.	X	—
VIBRATION		FREQUENCY: 10 → 55 (Hz), SINGLE AMPLITUDE 0.75 mm, AT 2 h , FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK		AT 490 m/s <sup>2</sup> DURATIONS 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 °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 -40→ R/T <sup>(1)</sup> → +100 → R/T °C 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 RUIN THE FUNCTION.	X	—
DRY HEAT		EXPOSED AT +100 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
COLD		EXPOSED AT -40 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SEALING <sup>(2)</sup>		EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	—
AIRTIGHTNESS <sup>(2)</sup>		APPLY AIR PRESSURE 18 kPa FOR 30 S TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	HY. KOBAYASHI	18.02.26
NOTES (1) R/T : ROOM TEMPERATURE.			CHECKED	HY. KOBAYASHI	18.02.26
(2) SEALING AND AIRTIGHTNESS SHALL BE TESTED UNDER MATED CONDITION WITH AN APPLICABLE CONNECTOR.			DESIGNED	TH. KAMEYA	18.02.24
(3) ABOVE SPECIFICATIONS ARE FOR THE STATE THAT APPLICABLE CRIMP CONTACTS ARE ASSEMBLED.			DRAWN	MK. INOUE	18.02.14
Unless otherwise specified, refer to IEC 60512 (JIS C 5402).					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-110660-31-00	
HRS	SPECIFICATION SHEET		PART NO.	JR16WR-10PC (31)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL114-2130-8-31	△ 1/1