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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	-25 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE	AC 100 V , DC 140 V		_____	_____		
	CURRENT	5 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
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.		INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 32 N MAX. LOCKING DEVICE WITH LOCK : _____ N MAX.		X	-
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		CONTACT RESISTANCE: 5 mΩ MAX.		X	-
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, _____ m/s ² AT 2h, 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 3 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 ⁽¹⁾ → +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 RUINS 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	-
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, +380±10°C , FOR IMMERSION DURATION, 3 TO 4 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, +350±10°C FOR IMMERSION DURATION, 2 TO 3 s.		WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.		X	-
SEALING ⁽²⁾		EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.		NO WATER PENETRATION INSIDE CONNECTOR.		X	-
AIRTIGHTNESS ⁽²⁾		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	
Q							
REMARK				APPROVED	HY. KOBAYASHI	18.02.22	
NOTES(1) R/T : ROOM TEMPERATURE				CHECKED	HY. KOBAYASHI	18.02.22	
(2) SEALING AND AIRTIGHTNESS SHALL BE TESTED BY APPLICABLE CONNECTOR.				DESIGNED	TH. KAMEYA	18.02.22	
Unless otherwise specified, refer to IEC 60512.				DRAWN	MK. INOUE	18.02.13	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-110562-31-00	
HRS	SPECIFICATION SHEET			PART NO.	JR16WP-10P (31)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL114-2004-3-31		1/1