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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	-10 °C TO +60 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	AC 100 V , DC 140 V			
	CURRENT	_____ A	APPLICABLE CABLE	φ5.8±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 (INCLUDES CABLE BULK RESISTANCE)		15 mΩ MAX.	△	X -
INSULATION RESISTANCE	250 V DC.		1000 MΩ MIN.		X X
VOLTAGE PROOF	300 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 UNLOOK : - N MAX LOCKING DEVICE WITH LOOK : 50 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/s ² AT 2 h, FOR 3 DIRECTIONS.		①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X -
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO 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.		①INSULATION RESISTANCE: 10 MΩMIN (AT HIGH HUMIDITY). ②INSULATION RESISTANCE: 100 MΩMIN (AT DRY). ③NO 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.		①INSULATION RESISTANCE: 100 MΩ MIN. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.		X -
DRY HEAT	△	EXPOSED AT + 85 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
COLD	△	EXPOSED AT - 55 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	3	DIS-C-001413	TY. SUZUKI	HY. KISHI	09.09.16
REMARK			APPROVED	MO. SATOH	05.11.16
Note(1) R/T : ROOM TEMPERATURE			CHECKED	HT. ZENBA	05.11.16
(2) ABOVE PERFORMANCE INDICATES AT THE STATE APPLICABLE CRIMP CONTACTS ARE INSTALLED.			DESIGNED	EM. YUMINO	05.11.10
Unless otherwise specified, refer to JIS C 5402.			DRAWN	EM. YUMINO	05.11.10
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELG4-009601-71	
HRS	SPECIFICATION SHEET		PART NO.	RP13A-12J-13PC (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL113-0166-8-71	△ 1/1