

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE	
		-55 °C TO +85 °C		-10 °C TO +60 °C	
RATING	VOLTAGE	300 V AC		OPERATING HUMIDITY	
	CURRENT	2 A		STORAGE HUMIDITY	
SPECIFICATIONS (NON-CONDENSING)					
ITEM	TEST METHOD	REQUIREMENTS			
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.			
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 HZ).	20 mΩ MAX.		X	-
INSULATION RESISTANCE	100 V DC.	10 ⁶ MΩ MIN.		X	-
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.			
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRactions.		1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² FOR 2 h, IN 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms FOR 3 TIME IN 3 DIRECTION.	X			
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) INSULATION RESISTANCE:			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -65→-15 TO 35→+125→-15 TO 35°C TIME 30→ MAX5 → 30 →MAX5min. UNDER 5 CYCLES.	10 ⁶ MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO HEAVY CORROSION.			
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
REMARK	APPROVED HS. OKAWA 12.06.11				
	CHECKED HT. YAMAGUCHI 12.06.11				
	DESIGNED K.J. NISHIWAKI 12.06.11				
	DRAWN OR. TAKESHIMA 12.06.11				
Unless otherwise specified, refer to MIL-STD-1344.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELG4-019798-01	
HRS		SPECIFICATION SHEET		PART NO. PCN12A-44P-2. 54DS (71)	
		HIROSE ELECTRIC CO., LTD.		CODE NO. QL583-2014-4-71	
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