


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

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C <sup>(2)</sup>	
OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C <sup>(1)</sup>		OPERATING HUMIDITY RANGE		40 % TO 80 %	
RATING VOLTAGE		200 V AC		STORAGE HUMIDITY RANGE		40 % TO 70 % <sup>(2)</sup>	
CURRENT		3A					
<b>SPECIFICATIONS</b>							
ITEM	TEST METHOD	REQUIREMENTS	QT	AT			
<b>CONSTRUCTION</b>							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X			
MARKING	CONFIRMED VISUALLY.		X	X			
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	15 mΩ MAX.	X				
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X				
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X				
<b>MECHANICAL CHARACTERISTICS</b>							
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRactions.	①CONTACT RESISTANCE: 15 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X				
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X				
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X				
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	①CONTACT RESISTANCE: 15 mΩ MAX. ②INSULATION RESISTANCE: 1000 MΩ MIN.	X				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: 65 → +15 ~ +35 → +125 → +15 ~ +35 °C TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min UNDER 5 CYCLES.	③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X				
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	①CONTACT RESISTANCE: 15 mΩ MAX. ②NO HEAVY CORROSION.	X				
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)		X				
RESISTANCE TO SOLDERING HEAT	1) SOLDER BATH: SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION DURATION, 10 ± 1 s. 2) SOLDERING IRONS : 350 °C FOR 3 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL	X				
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE 245 ± 3 °C FOR IMMERSION DURATION, 2s.	A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSed.	X				
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
Δ							
<b>REMARK</b> <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to MIL-STD-1344.							
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.		ELC4-018389-21			
 <b>SPECIFICATION SHEET</b> HIROSE ELECTRIC CO., LTD.		PART NO.		A2-*PA-2, 54DSA (71)			
		CODE NO.					
		APPROVED		HS. OKAWA 05.10.11			
		CHECKED		HS. OZAWA 05.10.07			
		DESIGNED		KT. DOI 05.10.07			
		DRAWN		AK. SUZUKAWA 05.10.06			