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