

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 ②	
OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ①	OPERATING HUMIDITY RANGE	40 % TO 80 %		
VOLTAGE	125 V AC	STORAGE HUMIDITY RANGE	40 % TO 70 % ②		
CURRENT	0.5 A				
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	Q	T	AT
CONSTRUCTION		GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.		X X X	
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 HZ).	45 mΩ MAX.	X		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000HZ)	55 mΩ MAX.	X		
INSULATION RESISTANCE	250 V DC	100 MΩ MIN.	X		
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X		
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION		300 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 55 mΩ MAX.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.52 mm, 2h IN 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	
SHOCK	490 ms <sup>2</sup> , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.			X	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 55 mΩ MAX.	② INSULATION RESISTANCE: 100 MΩ MIN.	X	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 → +15 ~ +35 → +85 → +15 ~ +35 °C TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min. 5 CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 55 mΩ MAX.	② NO 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.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	
SOLDERABILITY	2) SOLDERING IRONS : 360 °C FOR 5 s. SOLDERED AT SOLDER TEMPERATURE, 240 °C, FOR IMMERSION DURATION, 2 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		X	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△					
<b>REMARK</b> ① TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ② 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.	ELC4-082945-21		
<b>HRS</b> SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.		PART NO.	FX4G3-80P-1.27DSA (71)		
		CODE NO.	CL574-0037-8-71		
		APPROVED	HS. OKAWA	05.09.05	
		CHECKED	HS. OZAWA	05.09.05	
		DESIGNED	TH. NODA	05.09.05	
		DRAWN	TH. NODA	05.09.05	