

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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		Q	AT														
OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾			X	X														
VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %			X	X														
CURRENT	0.5 A	STRAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾																		
SPECIFICATIONS																					
ITEM		TEST METHOD		REQUIREMENTS		Q	AT														
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X														
MARKING		CONFIRMED VISUALLY.				X	X														
ELECTRIC CHARACTERISTICS																					
CONTACT RESISTANCE	100 mA (DC OR 1000 HZ).		45 m Ω MAX.			X	-														
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000HZ)		55 m Ω MAX.			X	-														
INSULATION RESISTANCE	250 V DC		100 M Ω MIN.			X	-														
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.			X	-														
MECHANICAL CHARACTERISTICS																					
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 55 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-														
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.52 mm, AT 2h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μ s. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-														
SHOCK	490 ms ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-														
ENVIRONMENTAL CHARACTERISTICS																					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 \pm 2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 55 m Ω MAX. ② INSULATION RESISTANCE: 100 M Ω MIN.			X	-														
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 \rightarrow +15 \sim +35 \rightarrow +85 \rightarrow +15 \sim +35 \rightarrow C TIME 30 \rightarrow 10 \sim 15 \rightarrow 30 \rightarrow 10 \sim 15 min. UNDER 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 m Ω MAX. ② NO HEAVY CORROSION.			X	-														
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96h. (TEST STANDARD: JEIDA 38)					X	-														
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING: 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			X	-														
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE: \pm 3°C, FOR IMMERSION DURATION, 2 s.	240	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																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" rowspan="4" style="text-align: center;"> REMARK ⁽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. </td> <td style="text-align: center;">APPROVED</td> <td style="text-align: center;">HS. OKAWA</td> <td style="text-align: center;">06.03.07</td> </tr> <tr> <td style="text-align: center;">CHECKED</td> <td style="text-align: center;">HS. OZAWA</td> <td style="text-align: center;">06.03.07</td> </tr> <tr> <td style="text-align: center;">DESIGNED</td> <td style="text-align: center;">KY. NAKAMURA</td> <td style="text-align: center;">06.03.07</td> </tr> <tr> <td style="text-align: center;">DRAWN</td> <td style="text-align: center;">AK. SUZUKAWA</td> <td style="text-align: center;">06.03.07</td> </tr> </table>								REMARK ⁽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.		APPROVED	HS. OKAWA	06.03.07	CHECKED	HS. OZAWA	06.03.07	DESIGNED	KY. NAKAMURA	06.03.07	DRAWN	AK. SUZUKAWA	06.03.07
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Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.		ELC4-082754-21																	
HRS		SPECIFICATION SHEET		PART NO.		FX2-32P-1.27SVL (71)															
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL572-2052-0-71			1/1														