

TO
PCK

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE			
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APPLICABLE STANDARD												
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾			STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾						
	VOLTAGE	125 V AC			OPERATING HUMIDITY RANGE	40 % TO 80 %						
	CURRENT	0.5 A			STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾						
SPECIFICATIONS												
ITEM		TEST METHOD			REQUIREMENTS			QT	AT			
CONSTRUCTION												
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×			
MARKING		CONFIRMED VISUALLY.						×	×			
ELECTRICAL CHARACTERISTICS												
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			45 mΩ MAX.			×				
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)			55 mΩ MAX.			×				
INSULATION RESISTANCE		250 V DC.			100 MΩ MIN.			×				
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×				
MECHANICAL CHARACTERISTICS												
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×				
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.52 mm, AT 2 h FOR 3 DIRECTION.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×				
SHOCK		490 m/s ² , 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.			① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.			×				
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×				
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: 55 mΩ MAX. ② NO 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 : 360°C FOR 5 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.			×				
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION, 2s.			A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.			×				
REMARKS 1)TEMPERATURE RISE INCLUDED WHEN ENERGIZED. 2)THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.					DRAWN I.OKAYAMA 04.06.11	DESIGNED K.NAKAMURA 04.06.11	CHECKED H.Okawa 04.06.14	APPROVED H.Okawa 04.06.14	RELEASED			
Unless otherwise specified, refer to MIL-STD-1344.												
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test												
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. FX2B-**P-1. 27DS (71)					
CODE NO.(OLD) CL		DRAWING NO. ELC4 – 082283–21			CODE NO. CL 572			1/1				