

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

TO
PCM

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
1	RE-F-4302	S.M.	M.T	95.8.22						
APPLICATION STANDARD										
OPERATING TEMPERATURE RANGE		-55 °C TO +85 °C			STORAGE TEMPERATURE RANGE		°C TO °C			
RATING VOLTAGE		100 V AC			OPERATING HUMIDITY RANGE		% TO %			
CURRENT		0.4 A			APPLICABLE CABLE					
SPECIFICATIONS										
ITEM		TEST METHOD			REQUIREMENT		QT/AT			
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING					
GENERAL EXAMINATION 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 1000 Hz)			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										
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.			INSERTION FORCE: N MAX. EXTRACTION FORCE: N MIN.		- -			
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: (0.7 × ※※) N MAX. WITHDRAWAL FORCE: Δ (0.065 × ※※) N MIN.		○ -			
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.		○ -			
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, - m/s ² AT 2 h FOR 3 DIRECTIONS. 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μs 2) CONTACT RESISTANCE: 55 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.		○ -			
SHOCK							○ -			
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 CHAGE OF TEMPERTURE		TEMPERTURE -55~+5~+35~+85~+5~+35°C TIME 30~10~15~30~10~15 min. UNDER 5 CYCLES.			3) NO DAMAGE, CRACK AND LOOSENESS OF PART.		○ -			
DAMP HEAT, CYCLIC		EXPOSED AT % TOTAL TO °C, TO °C, h.			1) CONTACT RESISTANCE: mΩ MAX. 2) INSULATION RESISTANCE: MΩ MIN. (AT HIGH HUMIDITY) 3) INSULATION RESISTANCE: MΩ MIN. (AT DRY) 4) NO DAMAGE, CRACK AND LOOSENESS OF PART.		- -			
DRY HEAT		EXPOSED AT °C, h.			1) CONTACT RESISTANCE: mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.		- -			
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)					○ -			
SULPHUR DIOXIDE		EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-39)					- -			
RESISTANCE TO SOLDERING HEAT SOLDERABILITY		SOLDER TEMPERATURE: °C FOR IMMERSION DURATION, s. SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL. A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSUED.		- -			
REMARKS										
DRAWN		S. MORITA '95.4.20		DESIGNED		CHECKED		APPROVED		RELEASED
J. MATSUKAWA '95.4.20		M. TOMITA '95.4.20		Y. YOSHIMURA '95.4.20						
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.										
NOTE		QT: QUALIFICATION TEST AT: ASSURANCE TEST		O: APPLICABLE TEST						
HRS HIROSE ELECTRIC CO.,LTD.		SPECIFICATION SHEET		PART NO.		FX8-※※S-SV				
CODE NO. (OLD)		DRAWING NO.		CODE NO.						
CL		SLC4-150730		CL 578						
FORM NO. 231-1										

