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

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-40°C ~ + 105°C				STORAGE TEMPERATURE RANGE	-40°C ~ +105°C				
	CURRENT	1A				APPLICABLE CABLE	-				
SPECIFICATIONS											
ITEM		TEST METHOD				REQUIREMENTS				QT	AT
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT CONFIRMED VISUALLY				According To Drawing				0	0
ELECTRICAL CHARACTERISTICS											
Contact resistance		Open circuit voltage is AC 20mV, 1kHz Short circuit current is AC 10mA				Initial : 50mΩ Max After : 100mΩ Max				0	-
Insulation resistance		Mate applicable connector and apply a voltage of DC 500 V.				Initial : 100MΩ Min. After : 100MΩ Min.				0	-
Voltage proof		Mate applicable and apply a voltage of AC 500V for 1 min.				No dielectric breakdown.				0	-
MECHANICAL CHARACTERISTICS											
Mechanical operation		10 times, 50 times, and 100 times at a rate of 600 times or less per hour.				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ Insulation resistance : 100MΩ Min. ④ Voltage proof No dielectric breakdown.				0	-
Shock		3 both axial directions, 10 times each, 60 times(Acceleration : 500 m/s ² Duration : 10ms)				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ No Electrical discontinuity of 10μs.				0	-
Vibration Resistance		Frequency 5 to 600Hz, acceleration of 73m/s ² , full amplitude of 16.5mm, in 3 axis directions for 8 hours.				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ No Electrical discontinuity of 10μs.				0	-
Locking Force		Apply a force of 100N or less in the direction of the mate axis.				① Be fully assembled. ② No problems after assembly.				0	-
ENVIRONMENTAL CHARACTERISTICS											
Rapid change of temperature		Temperature : -40±2°C → +105±2°C Time : 30min → 30min Above conditions repeated for 500 cycles				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ Insulation resistance : 100MΩ Min.				0	-
Damp heat (Steady state)		Exposed at 85±2°C, 95%, 240Hr				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ Insulation resistance : 100MΩ Min.				0	-
Dry heat		Exposed at 85°C, 105°C, 125°C, 24Hr, 120Hr, 200Hr, 300Hr, 500Hr, 1,000Hr				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max				0	-
Cold		Exposed at -40±2°C, 120Hr				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max				0	-
Corrosion Gas		H ₂ S : 10±5 ,NO ₂ : 200±5, Cl ₂ : 10±5, SO ₂ : 200±5 (Unit : ppb) Expose at 21days				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max				0	-
REMARKS CONDITIONS FOR TESTING						DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
* Note (Note1)Including temperature rise by conducting						S.J MOON 25.10.13	S.J MOON 25.10.13	B.H AN 25.10.13	B.H AN 25.10.13		
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST											
HIROSE KOREA CO.,LTD.				SPECIFICATION SHEET				PART NO. KMA01-1P-HA(01)/GR			
CODE NO.(OLD) CL			DRAWING NO. ELC2-631835-00			CODE NO. CL 6442-0047-3-800			1 1		