

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-40℃ TO +130℃				STORAGE TEMPERATURE RANGE	-30℃ TO +65℃				
	VOLTAGE	600V AC				APPLICABLE CONTACT	-				
	CURRENT	AWG#18:9A, AWG#20:6A AWG#22:5A, AWG#24:3A				APPLICABLE CONNECTOR	-				
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		AC 20mV MAX for 100mA				10mΩ MAX.				○	-
INSULATION RESISTANCE		DC500 V FOR 1min				1,000 MΩ MIN.				○	-
VOLTAGE PROOF		AC 1,600V FOR 1 min.				NO Flashover or Breakdown				○	-
MECHANICAL CHARACTERISTICS											
MECHANICAL OPERATION		5 TIMES INSERTION AND EXTRACTION.				①CONTACT RESISTANCE: 20 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE: 18N MAX. EXTRACTION FORCE: 30N MIN.(AWG#18) 20N MIN.(AWG#24)				○	-
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE 0.75 mm, AT 5min FOR, Each of axis(X,Y,Z) 10cycles.				①NO ELECTRICAL DISCONTINUITY OF 1 μs min ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. ③CONTACT RESISTANCE: 30 mΩ MAX.				○	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.								○	-
ENVIRONMENTAL CHARACTERISTICS											
HUMIDITY (STEADY STATE)		EXPOSED AT 40±2℃, 90~95%, 96h.				①CONTACT RESISTANCE: 20 mΩ MAX. ②INSULATION RESISTANCE: 500 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				○	-
RAPID CHAGE OF TEMPERATURE		TEMPERATURE -55→5~+35→+85→+15~35℃ TIME 30→5min max → 30 → 5min max UNDER 5 CYCLES.								○	-
DRY HEAT		TEMPERATURE : 105±2℃ DURATION : 48Hr				①CONTACT RESISTANCE: 20 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				○	-
DRY COLD		TEMPERATURE : -40±2℃ DURATION : 48Hr								○	-
HYDROGEN SULFIDE		EXPOSED IN 3±1 PPM FOR 96 h. (TEST STANDARD : JEIDA-39)				①CONTACT RESISTANCE: 20 mΩ MAX. ②NO BREAKDOWN FOR ELECTRIC PERFORMANCE				○	-
RESISTANCE OF SOLDERING HEAT		①FOR REFLOW SOLDERING TEMPERATURE: 250℃, 10 sec MAX. 220℃ AND OVER, 60 sec MAX. ②FOR MANUAL SOLDERING TEMPERATURE: 250±5℃, 3 sec MAX.				NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				○	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 250℃ FOR IMMERSION DURATION, 5 sec.				SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.				○	-
REMARKS NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
REFERENCE DRAWING					S.H.GU	S.H.GU	Y.S.HA	T.S.KANG	ENG 16.07.13 DEPT		
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.					15.05.08	15.05.08	15.05.08	15.05.09			
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○: APPLICABLE TEST											
HIROSE KOREA CO.,LTD.					SPECIFICATION SHEET				PART NO. KN27-2S-4H(835)		
CODE NO.(OLD) CL			DRAWING NO. ELC4-632127-00			CODE NO. CL 6653-0002-0-835			1/1		