

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE		-55℃ TO +85℃(note1)			STORAGE TEMPERATURE RANGE		-10℃ TO +60℃			
	VOLTAGE		30 V AC/DC			APPLICABLE CONNECTOR		BK10C05-50DP/2-0.3V(**)			
	CURRENT		SIGNAL CONTACT 0.3AX(note2) POWER CONTACT 5.0A								
SPECIFICATIONS											
ITEM		TEST METHOD				REQUIREMENTS				QT	AT
CONSTRUCTION											
GENERAL EXAMINATION		CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				X	X
MARKING		CONFIRMED VISUALLY.								X	X
ELECTRICAL CHARACTERISTICS											
CONTACT RESISTANCE		20mV AC OR LESS 1kHz, 1mA				SIGNAL CONTACT : 50mΩ MAX POWER CONTACT : 30mΩ MAX				X	-
INSULATION RESISTANCE		100V DC				50MΩ MIN				X	-
VOLTAGE PROOF		100V AC FOR 1min.				NO FLASHOVER OR BREAKDOWN				X	-
MECHANICAL CHARACTERISTICS											
MECHANICAL OPERATION		10 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: SIGNAL CONTACT : 50mΩ MAX POWER CONTACT : 50mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PATRS.				X	-
VIBRATION		FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min SINGLE AMPLITUDE 0.75mm, 10CYCLES, FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				X	-
SHOCK		490 m/s² DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				X	-
ENVIRONMENTAL CHARACTERISTICS											
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +85℃ TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN2~3 MIN)				① CONTACT RESISTANCE: SIGNAL CONTACT : 50mΩ MAX POWER CONTACT : 50mΩ MAX ② INSULATION RESISTANCE: 50MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				X	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2℃, 90 TO 95%, 96h.				① CONTACT RESISTANCE: SIGNAL CONTACT : 50mΩ MAX POWER CONTACT : 50mΩ MAX ② INSULATION RESISTANCE: 25MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				X	-
SULPHUR DIOXIDE		EXPOSED IN 25 PPM FOR 96h, 25℃, 75±5%RH. (Test standard : JIS C 60068)				① CONTACT RESISTANCE: SIGNAL CONTACT : 50mΩ MAX POWER CONTACT : 50mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				X	-
REFERENCE DRAWING											
REMARKS Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. Note 2 : MAX 12A AT TOTAL PIN CONTACTS. Unless otherwise specified, refer to JIS C 5402 and IEC 60512					DRAWN D.W.JEONG 24.01.19	DESIGNED D.W.JEONG 24.01.19	CHECKED Y.J.LEE 24.01.19	APPROVED H.W.JO 24.01.19	RELEASED 		
Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST											
HIROSE KOREA CO.,LTD.			SPECIFICATION SHEET				PART NO. BK10C05-50DS/2-0.3V(895)				
CODE NO.(OLD) CL		DRAWING NO. ELC4-633584-95			CODE NO. CL 6666-0062-9-895					1 1	