

Apr.1.2025 Copyright 2025 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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
①	13	RE-6-3467	LGO	JHW	24.02.22						

APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	-55℃ TO +85℃(note1)	STORAGE TEMPERATURE RANGE	-10℃ TO +60℃
	VOLTAGE	① 50 V AC/DC	APPLICABLE CONNECTOR	BK13C06-50DS/2-0.35V(**)
	CURRENT	SIGNAL CONTACT 0.3A(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	① SIGNAL CONTACT : 50mΩ MAX ② POWER CONTACT : 15mΩ MAX	X	-
INSULATION RESISTANCE	100V DC	50MΩ MIN	X	-
VOLTAGE PROOF	① 150V AC FOR 1min.	NO FLASHOVER OR BREAKDOWN	X	-

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	① 30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: ① SIGNAL CONTACT : 50mΩ MAX ② POWER CONTACT : 15mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	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/s ² 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: WITHIN 2~3 MIN)	① CONTACT RESISTANCE: ① SIGNAL CONTACT : 50mΩ MAX ② POWER CONTACT : 15mΩ 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: ① SIGNAL CONTACT : 50mΩ MAX ② POWER CONTACT : 15mΩ 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: ① SIGNAL CONTACT : 50mΩ MAX ② POWER CONTACT : 15mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. Note 2 : MAX 12A AT TOTAL PIN CONTACTS.	D.K.YUN	D.K.YUN	H.W.JO	H.W.JO	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512	20.09.25	20.09.25	20.09.25	20.09.25	

Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST

HIROSE KOREA CO.,LTD.	SPECIFICATION SHEET	PART NO. BK13C06-50DP/2-0.35V(895)
-----------------------	---------------------	---------------------------------------

CODE NO.(OLD)	DRAWING NO. ELC3-632996-95	CODE NO. CL 6665-0033-4-895	1 1
---------------	-------------------------------	--------------------------------	--------