

May.1.2024 Copyright 2024 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.

APPLICABLE STANDARD						
RATING	Operating Temperature Range	-55°C to 85°C (Note1)	Storage Temperature Range	-10°C TO 60°C		
	Voltage	50V AC/DC 	Fitting counter part			
	Current	Signal contact : 0.3A Power contact : 5.0A (Note 2)				
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
General Examination		Visually and by measuring instrument.		According to drawing.	X	X
Marking		Confirmed visually.		According to drawing.	X	X
ELECTRIC CHARACTERISTICS						
Contact Resistance		20mV AC or less 1kHz,1m A.		Signal contact resistance: 50 mΩ MAX. Power contact resistance: 15 mΩ MAX.	X	—
Insulation Resistance		100V DC.		50 MΩ MIN.	X	—
Voltage Proof		150V AC for 1 min. 		No flashover or breakdown.	X	—
MECHANICAL CHARACTERISTICS						
Mechanical Operation		30times insertions and extractions 		① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 15 mΩ MAX. ② No damage, crack or looseness of parts.	X	—
Vibration		Frequency 10 to 55 Hz, approx 5min, Single amplitude 0.75 mm, 10cycles, for 3 directions.		① No electrical discontinuity of 1 μs. ② No damage, crack or Looseness of parts.	X	—
Shock		490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.		① No electrical discontinuity of 1 μs. ② No damage, crack or looseness of parts.	X	—
ENVIRONMENTAL CHARACTERISTICS						
Rapid Change of Temperature		Temperature -55 → +85°C Time 30 → 30 min Under 5 cycles. (Relocation time to chanber : within 2-3 min)		① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 15 mΩ MAX. ② Insulation resistance: 50MΩ MIN. ③ No damage, crack or looseness of parts.	X	—
Damp Heat (Steady state)		Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.		① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 15 mΩ MAX. ② Insulation resistance: 25MΩ MIN. ③ No damage, crack or looseness of parts.	X	—
Sulphur Dioxide		Exposed in 25 PPM for 96h, 25°C, 75%. (Refer to JIS C 60068)		Signal contact resistance: 50 mΩ MAX. Power contact resistance: 15 mΩ MAX.	X	—
 Contact resistance value Change.						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	4	DIS-H-00020065	YT. TAKAGI	RT. SHIMIZU	20240228	
REMARKS				APPROVED	TY. 00I	20230616
Note1: Include the temperature rising by current				CHECKED	RT. SHIMIZU	20230616
Note2: The condition is "pattern width :5mm".				DESIGNED	YT. TAKAGI	20230615
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.				DRAWN	YT. TAKAGI	20230615
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-403828-00-01	
	SPECIFICATION SHEET		PART NO.	BK13C06-24DS/2-0. 35V (800)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-0143-0-00		1/1