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	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	300 V AC	OPERATING HUMIDITY RANGE	85 % MAX (NON-CONDENSING)
	CURRENT	2 A	APPLICABLE CABLE	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	20 mΩ MAX.	X	–
INSULATION RESISTANCE	100 V DC.	10^8 MΩ MIN.	X	–
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	–
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	–
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, – m/s^2 FOR 2 h, IN 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	–
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms FOR 3 TIME IN 3 DIRECTION.		X	–
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) INSULATION RESISTANCE: 10^8 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	–
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -65→15 TO 35→+125→15 TO 35°C TIME 30→ MAX5 → 30 →MAX5min. UNDER 5 CYCLES.		X	–
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO HEAVY CORROSION.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1					

REMARK

Unless otherwise specified, refer to MIL-STD-1344.

APPROVED	KI.AKIYAMA	05.08.30
CHECKED	SI.TOMIOKA	05.08.30
DESIGNED	HT.SUGIMURA	05.08.29
DRAWN	HM.SAITO	05.08.29

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-154687-01

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. PCN10HB-*P-2.54DSA(72)

CODE NO. △1 1/1

FORM HD0011-2-1