Jun.1.2020 Copyright 2020 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	-55°C TO +85°C
	VOLTAGE	250VAC	OPERATING HUMIDITY RANGE	— % TO — %
	CURRENT	1A	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	10 mA MAX (DC OR 1000 Hz).	80 mΩ MAX.	X	X
INSULATION RESISTANCE	250 V DC.	1000 MΩ MIN.	X	X
VOLTAGE PROOF	500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 45 N MAX. EXTRACTION FARCE 15 N MAX.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 80 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, AT 3TIMES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 20μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS 3)NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT,CYCLIC (STEADY STATE)	EXPOSED AT +85 85 % 1000h	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5—35→ +85 → 5—35 °C TIME 30 → 2- 3→ 30 → 2-3 min. UNDER 10 CYCLES.			
C0RR0SION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1)CONTACT RESISTANCE :80mΩ MAX. 2)NO HEAVY CORROSION.	X	—
HYDORGEN SULPHIDE	EXPOSED IN 10 PPM FOR 96 h (TEST STANDARD : JEIDA-38)			

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0					

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	HO. MIWA	05. 09. 06
CHECKED	HO. MIWA	05. 09. 06
DESIGNED	YH. ENAMI	05. 09. 06
DRAWN	YH. ENAMI	05. 09. 06

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

DRAWING NO. ELC4-120646-01

HRS	SPECIFICATION SHEET	PART NO.	F140B-2015S(50)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL230-0524-0-50	0 1/1

FORM HD0011-2-1