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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	-40°C TO +85°C	STORAGE TEMPERATURE RANGE	- 40°C TO 60 °C	
	VOLTAGE	-	OPERATING HUMIDITY RANGE	85 % MAX.	
	CURRENT	-	APPLICABLE CABLE	Φ8.5±0.3	
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
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS. [WITH F140B-2015S(※※) INSTALLED]		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 3h FOR 6 DIRECTIONS.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			X	-
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5~35 → 105 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min. UNDER 10 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
DAMP HEAT/ CURRENT CARRYING	MATED CONNECTOR WITH CONTACTS CONNECTED IN SERIES. EXPOSED WITH CURRENT CARRYING AT TEMPERATURE 85°C, HUMIDITY 85% FOR 1000h. (LEAVE AT ROOM TEMPERATURE FOR 2h AFTER TESTING) [WITH F140B-2015S(※※) INSTALLED]		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
DRY HEAT/ CURRENT CARRYING	MATED CONNECTOR WITH CONTACTS CONNECTED IN SERIES. EXPOSED WITH CURRENT CARRYING AT TEMPERATURE 105°C, FOR 1000h. (LEAVE AT ROOM TEMPERATURE FOR 2h AFTER TESTING) [WITH F140B-2015S(※※) INSTALLED]		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
COLD RESISTANCE	LEAVE AT -40 °C, FOR 500h LEAVE AT 5 TO 30°C FOR 1 TO 2HOURS AFTER TESTING.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	X	-
MIXED GAS	SULFUR DIOXIDE : 10 PPM HYDROGEN SULFIDE : 3 PPM TEMPERATURE : 40±2 °C HUMIDITY : 70 - 80 % EXPOSED FOR 96 h		NO HEAVY CORROSION.	X	-
MACHINING OIL	SOAK IN MACINING OIL AT TEMPERATURE 85 °C, FOR 100h TESTED WITH 3 DIFFERENT OILS SEPARATELY : UNISOLUBLE HD, UNISOLUBLE CC ANDUNICUT, TB15		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	0				
REMARK			APPROVED	YH. ENAMI	10. 04. 12
			CHECKED	YH. ENAMI	10. 04. 12
			DESIGNED	KI. NAGANUMA	10. 04. 12
Unless otherwise specified, refer to JIS C 5402.			DRAWN	KI. NAGANUMA	10. 04. 12
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-122395-01
HRS	SPECIFICATION SHEET		PART NO.	FI-2015-CVS (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL230-0530-2-50	 1/1