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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
			DRAWN	KI. NAGANUMA	10. 04. 12
Unless otherwise specified, refer to JIS C 5402.					
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