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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		NDSC 0152C, MIL-STD-202		
Rating	Operating Temperature Range	-55 ℃ to 85 ℃	Storage Temperature Range	-55 ℃ to 85 ℃
	Voltage	300V AC, 420V DC	Operating Humidity Range	95 % max
	Current	–	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				
Insulation Resistance	500 V DC.	5000 MΩ min.	X	–
Voltage Proof	1000 V AC for 1 min.	No flashover or breakdown.	X	–
MECHANICAL CHARACTERISTICS				
Insertion and Withdrawal Forces	Measure with the applicable connector.	Insertion force : 122.5 N max. Withdrawal force : 122.5 N max.	X	–
Vibration	Frequency 10 to 500 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.	1) No electrical discontinuity of 10 μs. 2) No damage, crack and looseness of parts	X	–
Shock	490 m/s^2 duration of pulse 11 ms at 3 times for 3 directions.		X	–
ENVIRONMENTAL CHARACTERISTICS				
Rapid Change of Temperature	Temperature -55 → +25 → +85 → +25 ℃ Time 30 → 2～3 → 30 → 2～3 min. Under 5 cycles.	No damage, crack and looseness of parts.	X	–
Humidity	Exposed at 25 ～ 65℃, 90～98 %, 240h	1) Insulation resistance: (at high humidity) 1 MΩ min. (at dry) 1000 MΩ min. 2) No damage, crack and looseness of parts.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1					

REMARK

Unless otherwise specified, refer to IEC 60512.

APPROVED	NM. NISHIMATSU	17. 08. 08
CHECKED	NM. NISHIMATSU	17. 08. 08
DESIGNED	MO. SHIMOYAMA	17. 08. 08
DRAWN	AK. AKIYAMA	17. 08. 08

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

DRAWING NO. ELC-007267-10-00

HRS	SPECIFICATION SHEET	PART NO.	SC-1645(10)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL216-0351-7-10	△1 1/1

FORM HD0011-2-1