

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25°C TO +85°C	STORAGE TEMPERATURE RANGE	-25°C TO +60°C
	OPERATING & STORAGE HUMIDITY RANGE	85%MAX	VOLTAGE	AC 125V
			CURRENT	0.5 A
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
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	65 mΩ MAX. (SIGNAL) 1	X	X
INSULATION RESISTANCE	100 V DC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF	250 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 43N MAX. WITHDRAWAL FORCE 3.8 N MIN.	X	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE 85 mΩ MAX. 1 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, 5 min/CYCLE, TOTAL 10 CYCLES.	1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
THERMAL SHOCK	TEMP -55 →+5 TO +35 →+85 →+5 TO +35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.	1) CONTACT RESISTANCE: 85 mΩ MAX. 1 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
HUMIDITY LIFE	TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h	1) INSULATION RESISTANCE: 100 MΩ MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED AT 5 % SALT WATER, FOR 48 h.	NO HEAVY CORROSION THAT LOSE FUNCTION.	X	—
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
A				
REMARK		APPROVED	A0. SUZUKI	10. 10. 06
1 EXCLUDES CONDUCTOR RESISTANCE OF CABLE. 2 EXAMINATION IS HELD WITH "DH-51-CV * B", "DH40-51S" AND "DH60-51P" OR "DH-51-CT * B", "DH40-51S" AND "DH60A-51P". Unless otherwise specified, refer to JIS C 5402 .		CHECKED	YH. ENAMI	10. 10. 06
		DESIGNED	YH. MAMADA	10. 10. 01
		DRAWN	YH. MAMADA	10. 10. 01
		Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.
HRS	SPECIFICATION SHEET	PART NO.	DH40-51S	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL244-0056-6-00	A 1/1