

APPLICABLE STANDARD					
RATING	Operating temperature	<div><div>1</div>>-40℃to70℃</div>	Storage temperature range	-55℃to60℃	
	Voltage	AC 125 V	Operating humidity range	95% max	
	Current	Signal contact : 0.5 A Power contact : 3 A	Applicable cable	—	
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QTAT
CONSTRUCTION					
General Examination		Visually and by measuring instrument.		According to drawing.	Xx
Marking		Confirmed visually.			Xx
ELECTRIC CHARACTERISTICS					
Contact Resistance	100 mA (DC OR 1000 Hz).		Signal contact resistance : 70 mΩ max. Power contact resistance : 40 mΩ max. Gnd contact resistance : 50 mΩ max.	X	x
Insulation Resistance	250 V DC.		300 MΩ min.	X	—
Voltage Proof	350 V AC for 1 min.		No flashover or breakdown.	X	x
MECHANICAL CHARACTERISTICS					
Insertion and Extraction Force	Measured by applicable connector.(Except shutter)		Insertion force 24 N max. Extraction force 20 N max.	X	—
Mechanical Operation	5000 times insertions and extractions.		1) Signal contact resistance : 100 mΩ max Power contact resistance : 70 mΩ max Gnd contact resistance : 100 mΩ max 2) No damage, crack and looseness of parts.	X	—
Vibration	Frequency 10 to 55 Hz, amplitude 0.75 mm, at 2 h, for 3 directions.		1) No electrical discontinuity of 1 μs. 2) Signal contact resistance : 100 mΩ max Power contact resistance : 70 mΩ max Gnd contact resistance : 100 mΩ max	X	—
Shock	Acceleration 490 m/s ² . Directions of pulse 11 ms at 3 times in 3 both axial directions. Half sine wave.		3) No damage, crack and looseness of parts.	X	—
ENVIRONMENTAL CHARACTERISTICS					
Rapid Change of Temperature	Temperature -55 → 15~35 → 85 → 15~35 ℃ Time 30 → 2~3 → 30 → 2~3 min. Under 5 cycles.		1) Signal contact resistance: 100 mΩ max. Power contact resistance: 70 mΩ max. Gnd contact resistance : 100 mΩ max. 2) Insulation resistance : 100 MΩ min. 3) No damage, crack and looseness, of parts.	X	—
Damp Heat (Steady State)	Exposed at 60 ℃, 90~95 %, 96 h.		1) Signal contact resistance: 100 mΩ max. Power contact resistance: 70 mΩ max. Gnd contact resistance : 100 mΩ max. 2) Insulation resistance : 5 MΩ min.(After dry) 3) No damage, crack and looseness, of parts.	X	—
Corrosion Salt Mist	Exposed in 5 % salt water spray for 48 h.		No damage, crack and looseness, of parts	X	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
<div><div>△</div></div>					
REMARK			APPROVED	MN. KENJO	20200407
<div><div>1</div>>The operation temperature includes the rise by current carrying.</div>			CHECKED	TU. TANIGUCHI	20200407
			DESIGNED	KIM JAEHYEON	20200407
Unless otherwise specified, refer to IEC 60512.			DRAWN	DS. HIROWATARI	20200407
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-123446-75-00
<div>HRS</div>	SPECIFICATION SHEET		PART NO.	EX80-54 (50) S-SH (75)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL232-0606-5-75	<div><div>△</div></div> 1/1