APPLICABLE STANDARD				
RATING	Operating temperature range	-40 °C to +105 °C (Note1)	Storage temperature range	-10 °C to +60 °C (Note2)
	Current	1 A	Voltage	30 V AC

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General examination	Visually and by measuring instrument.	According to drawing.	×	×
Marking	Confirmed visually.		×	×
ELECTRIC CHARACTERISTICS				
Contact resistance	1A DC.	Signal: 30mΩ MAX, Shield: 60mΩ MAX.	×	—
Contact resistance Millivolt level method	20mV AC max, 0.1mA (DC or 1000Hz).	Signal: 30mΩ MAX, Shield: 60mΩ MAX.	×	—
Insulation resistance	500V DC.	100MΩ MIN.	×	—
Withstand voltage	500V AC for 1 min.	No breakdown.	×	—
MECHANICAL CHARACTERISTICS				
Mechanical operation	30 insertions and removals.	① Contact resistance : Signal: 60mΩ MAX, Shield: 120mΩ MAX . ② No damage, crack and looseness of parts.	×	—
Vibration	Frequency 20 to 200 Hz, 43.1m/s^2 at 3h for 3directions.	① No electrical discontinuity greater than 1μs. ② Contact resistance : Signal: 60mΩ MAX, Shield: 120mΩ MAX . ③ No damage, crack and looseness of parts.	×	—
Shock	980m/s^2 ,6ms at 3times for 3directions.	① No electrical discontinuity greater than 1μs. ② Contact resistance : Signal: 60mΩ MAX, Shield: 120mΩ MAX . ③ No damage, crack and looseness of parts.	×	—
Lock strength	Connectors mated and the lock in place, apply an axial pull-out load to the plug connector. Operation speed 100mm/min.	Connector Locking strength 98N MIN.	×	—
ENVIRONMENTAL CHARACTERISTICS				
Damp heat (Steady state)	Exposed at 60°C, 90 to 95 %, 500h.	① Contact resistance : Signal: 60mΩ MAX, Shield: 120mΩ MAX . ② Insulation resistance: 100MΩ MIN. ③ No damage, crack and looseness of parts.	×	—
Thermal shock	Temperature-40℃(30min)→5 to 35℃(5min or less)→ 85℃(30min)→5 to 35℃(5min or less) Under 1000 cycles.	① Contact resistance : Signal: 60mΩ MAX, Shield: 120mΩ MAX . ② Insulation resistance: 100MΩ MIN. ③ No damage, crack and looseness of parts.	×	—
Dry heat	Exposed at 105°C, 1000 h.	① Contact resistance : Signal: 60mΩ MAX, Shield: 120mΩ MAX . ② No damage, crack and looseness of parts.	×	—
Cold	Exposed at -40°C , 1000 h.	① Contact resistance : Signal: 60mΩ MAX, Shield: 120mΩ MAX . ② No damage, crack and looseness of parts.	×	—
Resistance to SO_2	Exposed in 500ppm for 8h.	Contact resistance : Signal: 60mΩ MAX, Shield: 120mΩ MAX .	×	—
Resistance to soldering heat	Reflow soldering at specified temperature profile 2 times. (Note3)	No deformation of case of excessive looseness of the terminals.	×	—
Solderability	Soldering at solder temperature 245℃ for immersion duration 3s.	Immersed area is wetted 95% or more with solder (Plated surface only).	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

REMARK
(Note 1) Include the temperature rising by current.
(Note 2) Refers to long-term storage in the delivered state.
(Note 3) Refer to the submitted drawings for the temperature profile.

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DESIGNED	YK.KANNO	20211015
DRAWN	YK.KANNO	20211015

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

DRAWING NO. ELC-393578-11-00

HRS	SPECIFICATION SHEET	PART NO.	GT32J-4DP-1.5H(11)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0782-0085-0-11 △0	1/1

FORM HD0011-2-1