APPLICABLE STANDARD				
Rating	Operating Temperature Range	-40 °C to 140 °C (1)	Storage Temperature Range	-10 °C to 60 °C (2)
	Voltage	125 V AC (3)	Storage Humidity Range	Relative humidity 60% max (Not dewed)
	Current	0.5 A	Operating Humidity Range	Relative humidity 85% max (Not dewed)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General Examination	Examined visually and with a measuring instrument.	According to the drawing.	×	×
Marking	Confirmed visually.		×	×
ELECTRICAL CHARACTERISTICS				
Contact Resistance	Measured at 100 mA MAX.(DC or 1000Hz)	65mΩ MAX.	×	—
Insulation Resistance	Measured at 250 V DC.	1000 MΩ MIN.	×	—
Voltage Proof	375 V AC applied for 1 min.	No flashover or breakdown.	×	—
MECHANICAL CHARACTERISTICS				
Mating and Unmating Forces	Measured with an applicable connector.	Mating Force: 20 N MAX. Unmating Force: 2.2 N MIN.	×	—
Mechanical Operation	Mated and unmated 10 times.	①Contact Resistance : 75mΩ MAX. ②No damage, cracks or looseness of parts.	×	—
Vibration	Frequency 50～100 → 100～150 → 150～300Hz Acceleration 98 → 98～294 → 294 m/s^2 1 cycle 3 min 3 h for 3 axial directions (4)	①No electrical discontinuity of more than 1 μs. ②No damage, cracks or looseness of parts.	×	—
Shock	Acceleration 980 m/s^2 , duration of pulse 6 ms at 3 times for 3 axial directions.		×	—
ENVIRONMENTAL CHARACTERISTICS				
Damp Heat (Steady state)	Exposed at 60±2 °C, 90 ～ 95 %, 1000 h.	①Contact Resistance : 75mΩ MAX. ②Insulation Resistance : 1000 MΩ MIN. △3	×	—
Rapid Change of Temperature	Temperature -40 → +140 °C Time 30 → 30 min. under 1000 cycles. (Relocation time to chamber : within 2～3 MIN)	③No damage, cracks or looseness of parts.	×	—
Cold	Exposed at -40℃, 1000 h	①Contact Resistance : 75mΩ MAX. ②No damage, cracks or looseness of parts.	×	—
Dry Heat	Exposed at 140℃, 1000 h		×	—
Sulfur Dioxide	Exposed at 40±2℃, 80±5%RH, 25±5ppm △2 for 96 h.	Contact Resistance : 75mΩ MAX.	×	—
Resistance to Soldering Heat	1)Reflow soldering : Peak TMP : 260℃MAX Reflow TMP: 220℃MIN for 60sec △1	No deformation of case of excessive looseness of the terminal.	×	—
Solderability	Soldered at solder temperature 240±3℃ for immersion duration, 3 sec.	A new uniform coating of solder shall cover a minimum of 95 % of the surface being immersed.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△3	1	DIS-F-00016361	TK. ABE	HH. SHINDO	20221215

Notes
(1) Include temperature rise caused by current-carrying.
(2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.
(3) The creepage distance conforms to IEC 60664-1.
Voltage effective value: 32V AC, Pollution Degree: 2
(4) Amplitude between connector mounting part and PCB is 0.05mm MAX.

APPROVED	HH. SHINDO	20191007
CHECKED	KN. SHIBUYA	20191007
DESIGNED	TK. ABE	20191007
DRAWN	KI. YAMAZAKI	20191007

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

DRAWING NO. ELC-376648-00-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. FX26-20S-1SV20

CODE NO. CL0576-1302-0-00 △3 1/1

FORM HD0011-2-1