Applicable standard Operating Temperature range Operating Temperature range Operating O	ote3) ##) ##)	AT X X
Rating Temperature range 20% to 80% (Note2) Storage 40% to 70% (Note2) Humidity range 40% to 70% (Note2) Storage 40% to 70% (Note2) Humidity range 40% to 70% (Note2) Humidity range 40% to 70% (Note2) Humidity range 40% to 70% (Note2) PF57H-*S-1.2C(# DF57H-*S-1.2C(# DF5	ote3) ##) ##30 m QT	X
Humidity range	##) ##30 m QT	X
Voltage	##) ##30 m QT	X
AWG#28 : 2.5 A AWG#30 : 1.5 A Applicable cable AWG#28 to AWG Insulation Diameter φ 0.5~0.63 mr Specifications Item Test method Requirements Construction General examination Wisually and by measuring instrument. According to drawing. Marking Confirmed visually. According to drawing. Electric characteristics 10 mΩ MAX. Contact resistance 20 mV MAX, 1 mA(DC or 1000 Hz). 10 mΩ MAX. Mechanical characteristics Contact insertion and extraction forces t=0.2±0.002 mm by steel gauge. Insertion force force 0.1 N MIN. Mechanical operation 30 times insertion and extraction. 1 Contact resistance: 20 m Ω MAX. Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. 1 No electrical discontinuity of 1 μ s. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. 1 No damage, crack or looseness of parts. Crimp tensile Fix the contact, pull the cable and measure the 1 AWG#28 : 16 N MIN.	#30 m	X
Specifications Specifications Specifications Specifications Specifications Specifications Specifications Specifications Specifications Sequirements Specifications Sequirements Specifications Sequirements Specifications Specific	QT X	X
Test method Requirements	X	X
Test method Requirements	X	X
Construction General examination Visually and by measuring instrument. According to drawing. Marking Confirmed visually. Insertion force Electric characteristics 20 mV MAX, 1 mA(DC or 1000 Hz). 10 mΩ MAX. Mechanical characteristics Insertion force 5 N MAX. Extraction force 0.1 N MIN. Mechanical operation forces 30 times insertion and extraction. 1 Contact resistance: 20 mΩ MAX. (2) No damage, crack or looseness of parts. Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. 1 No electrical discontinuity of 1 μ s. (2) No damage, crack or looseness of parts. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. 1 AWG#28 : 16 N MIN. (3) Crimp tensile Fix the contact, pull the cable and measure the 1 AWG#28 : 16 N MIN. (3)	X	X
General examination Visually and by measuring instrument. According to drawing. Marking Confirmed visually. Electric characteristics Contact resistance 20 mV MAX, 1 mA(DC or 1000 Hz). 10 mΩ MAX. Mechanical characteristics Contact insertion and extraction forces t=0.2±0.002 mm by steel gauge. Insertion force 5 N MAX. Extraction force 0.1 N MIN. Mechanical operation 30 times insertion and extraction. ① Contact resistance: 20 mΩ MAX. ② No damage, crack or looseness of parts. Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. ① No electrical discontinuity of 1 μ s. ② No damage, crack or looseness of parts. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. ② No damage, crack or looseness of parts. Crimp tensile Fix the contact, pull the cable and measure the ① AWG#28 : 16 N MIN.		
Marking Confirmed visually.		
Contact resistance 20 mV MAX, 1 mA(DC or 1000 Hz). 10 mΩ MAX. Mechanical characteristics Insertion force 5 N MAX. Extraction force 0.1 N MIN. Contact insertion and extraction forces 5 N MAX. Extraction force 0.1 N MIN. Mechanical operation 30 times insertion and extraction. ① Contact resistance: 20 m Ω MAX. ② No damage, crack or looseness of parts. Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. ② No damage, crack or looseness of parts. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. ② No damage, crack or looseness of parts. Crimp tensile Fix the contact, pull the cable and measure the ① AWG#28 : 16 N MIN.	1 · · ·	
Contact resistance 20 mV MAX, 1 mA(DC or 1000 Hz). 10 mΩ MAX. Mechanical characteristics Insertion force 5 N MAX. Extraction force 0.1 N MIN. Contact insertion and extraction forces 5 N MAX. Extraction force 0.1 N MIN. Mechanical operation 30 times insertion and extraction. ① Contact resistance: 20 m Ω MAX. ② No damage, crack or looseness of parts. Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. ② No damage, crack or looseness of parts. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. ② No damage, crack or looseness of parts. Crimp tensile Fix the contact, pull the cable and measure the ① AWG#28 : 16 N MIN.		
Mechanical characteristics Contact insertion and extraction forces t=0.2±0.002 mm by steel gauge. Insertion force 5 N MAX. Extraction force 0.1 N MIN. Mechanical operation 30 times insertion and extraction. ① Contact resistance: 20 m Ω MAX. ② No damage, crack or looseness of parts. Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. ② No electrical discontinuity of 1 μ s. ② No damage, crack or looseness of parts. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. Crimp tensile Fix the contact, pull the cable and measure the ① AWG#28 : 16 N MIN. ③		
Contact insertion and extraction forces Mechanical operation The sequency 10 to 55 Hz, single amplitude 0.75mm , at 10 cycles for 3 directions. The sequency 10 to 55 Hz, single and measure the and measure the straction force 0.1N MAX. The sequence 0.1N MAX.	X	_
and extraction forces Mechanical operation 30 times insertion and extraction. (1) Contact resistance: 20 m Ω MAX. (2) No damage, crack or looseness of parts. Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. Crimp tensile Fix the contact, pull the cable and measure the Extraction force 0.1 N MIN. (2) No damage, crack or looseness of parts. (3) No electrical discontinuity of 1 μ s. (2) No damage, crack or looseness of parts.		
forces Mechanical operation 30 times insertion and extraction. ① Contact resistance: 20 m Ω MAX. ② No damage, crack or looseness of parts. Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. ① No electrical discontinuity of 1 μ s. ② No damage, crack or looseness of parts. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. Crimp tensile Fix the contact, pull the cable and measure the ① AWG#28 : 16 N MIN. 🖄	T	
Vibration Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. ① No electrical discontinuity of 1 μ s. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. Crimp tensile Fix the contact, pull the cable and measure the ① AWG#28 : 16 N MIN. Δ	Х	_
0.75 mm, at 10 cycles for 3 direction. 2 No damage, crack or looseness of parts. Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. Crimp tensile Fix the contact, pull the cable and measure the	Х	_
Shock 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. Crimp tensile Fix the contact, pull the cable and measure the ① AWG#28 : 16 N MIN.	+	
directions. Crimp tensile Fix the contact, pull the cable and measure the ① AWG#28 : 16 N MIN.	Х	_
	Х	
	+	-
Sucrigur Sucrigur. C) AVVG#30 : 8 N MIN.	Х	_
Environmental characteristics		
Damp heat(Steady state) Exposed at $40 \pm 2^{\circ}$ C , 90 to 95 %, 96 h. (After leaving the room temperature for $1 \sim 2$ h.) ① Contact resistance: $20 \text{ m}\Omega$ MAX. ② No damage, crack or looseness of parts.	X	
Rapid change of Temperature -55°C→ +85°C temperature 30min→ 30min Under 5 cycles. (After leaving the room temperature for 1~2h.)	X	_
Remarks		

Note 1:Include the temperature rising by current. Note 2:No condensing.

Note 3:Apply to the condition of long term storage for unused products before mount on pcb,

After mounted on pcb, operating temperature and humidity range is applied for interim storage during transportation.

	Count	Description of revisions	Designed		Checked		Date	
Δ	1	DIS-H-00004635	HT. SATO			20190214		
Remarks				Approved		TS. SAKATA	20091130	
				Chec	ked	MN. KENJO	20091128	
				Desig	ned	TS. KUMAZAWA	20091127	
Unle	Unless otherwise specified, refer to IEC 60512.			Drav	vn	TS. KUMAZAWA	20091127	
Note QT:Qualification test AT:Assurance test X:Applicable test			Drawin	Drawing no.		ELC-322918-00-00		
Н	RS	Specification sheet	Part no.	DF57-2830SCF				
		Hirose electric co., ltd.	Code no.	C	1 /1			