Construction   Visually and by measuring instrument.   According to drawing.   X   X   X   X   X   X   X   X   X		· •		-40 °C to +105°C (I	Note1)	Tempe	age perature range			-10 °C to +60°C (	Note3)		
Applicable connector DF59M-15-H AVG#22: 6A A	Rating			20% to 80% (No	20% to 80% (NOTE2) 1		•			40% to 70% (N	lote3)		
Specifications   Spec		Applicable connector		DF59M-1S-H		Currei	Current						
Item		Applicable cable					Voltage			AC/DC 300V (Note4)			
Item		'		Spe	cifica	tions							
According to drawing		Item	•				Requirements				QT	АТ	
Marking   Confirmed visually.   X   X    Electric characteristics  Contact resistance   DC6V MAX, 100mA   45 mΩ MAX.   X   ¬  Mechanical characteristics  Mechanical operation   20 times insertion and extraction.   3 Contact resistance, 45 m Ω MAX   X   ¬  Vibration   Frequency 10 to 55 Hz, single amplitude   3 No electrical discontinuity of 1 µs.   X   ¬  Shock   450 m/s duration of guite 1 mis at 3 times each for   3 hock axial directions   3 hoth axial directions   2 No damage, crack or looseness of parts.   X   ¬  Shock   450 m/s duration of guite 1 mis at 3 times each for   3 hock axial directions   2 No damage, crack or looseness of parts.   X   ¬  Environmental characteristics  Damp heat   Exceed at 40 ± 2°C , 90 to 95 %, 96 h   (After leaving the room temperature for 1 ¬ 2 h.)   2 No damage, crack or looseness of parts.   X   ¬  Rapid change of temperature   Exceed at 40 ± 2°C , 90 to 95 %, 96 h   (After leaving the room temperature for 1 ¬ 2 h.)   2 No damage, crack or looseness of parts.   X   ¬  Contact resistance 45 m Q MAX   X   ¬  Contact re	_		T										
Electric characteristics  Contact resistance  DCGV MAX, 100mA  45 mΩ MAX.  X    Mechanical characteristics  Mechanical operation  20 times insertion and extraction.  (DContact resistance 45 m Ω MAX.  (2No damage, crack or looseness of parts.  X  - (2No damage, crack or looseness of parts.  X  - (2No damage, crack or looseness of parts.  X  - (2No damage, crack or looseness of parts.  X  - (2No damage, crack or looseness of parts.  X  - (2No damage, crack or looseness of parts.  X  - (2No damage, crack or looseness of parts.  X  - (2No damage, crack or looseness of parts.  X  - (2No damage, crack or looseness of parts.  Environmental characteristics  Camp heat  (Exposed at 40 ± 2°C, 90 to 95 %, 98 h.  (After leaving the room temperature for 1 ~ 2h.)  (After leaving the room temperature for 1 ~ 2h.)  (After leaving the room temperature for 1 ~ 2h.)  (Contact resistance 45 m Ω MAX  (2No damage, crack or looseness of parts.  X   - (2No damage, crack or looseness of parts.  X  - (	General exa	amination	Visually and by measuring instrument.				According to drawing.				X	X	
DC6V MAX, 100mA	Marking	Marking		Confirmed visually.							X	X	
Mechanical characteristics  Mechanical operation  20 times insertion and extraction.  20 times insertion and extraction.  21 No default of profits of the condition of the profits of the condition of the conditi	Electric	characterist	tics			•					•		
Mechanical operation   20 times insertion and extraction.   (1) Contact resistance: 45 m \(2\) MAX.   X   The properties of the properti	Contact resistance		DC6V MAX, 100mA				45 mΩ MAX.				X	_	
Section   Sect	Mechani	ical charact	eristics			•							
Vibration   Frequency 10 to 55 Hz, single amplitude   (∑No electrical discontinuity of 1 μ s.   X   √	Mechanical operation		20 times insertion and extraction.				19				X	-	
Shock   490 m/s² duration of pulse 11 ms at 3 times each for 3 both axial directions.   (2)No electrical discontinuity of 1 \( \mu \) s.   2    Environmental characteristics  Damp heat (Steady state)   (After leaving the room temperature for 1~2h.)   (2)No damage, crack or looseness of parts.   X   - (2)No dama	Vibration		1 · · · · · · · · · · · · · · · · · · ·				①No electrical discontinuity of 1 μ s.				X	-	
Environmental characteristics  Damp heat (Steady state) (After leaving the room temperature for 1 ~ 2h.) (2) No damage, crack or looseness of parts.  Rapid change of temperature Temperature -55°C → +105°C (1) Contact resistance: 45 m 2 MAX	Shock		· ·				①No electrical discontinuity of 1 μ s.				Х	-	
Damp heat (Steady state)   Exposed at 40 ± 2°C , 90 to 95 %, 96 h. (Steady state)   (After leaving the room temperature for 1~2h.)   (Contact resistance: 45 mΩ MAX. (2No damage, crack or looseness of parts.   X   − (2No damage, crack or loosene	Environm	nental charac	cteristics	<u> </u>			5/110 a.	arriago,	<u> </u>	or recommend or parte.		-	
Rapid change of temperature    Temperature - 55°C→ +105°C   (D.Contact resistance: 45 mΩ MAX   (2)No damage, crack or looseness of parts.	Damp heat		•				①Contact resistance: 45 mΩ MAX.				X	-	
Time 30min—30min QNo damage, crack or looseness of parts.    Che transferring time of the tank is 2~3 min) (After leaving the room temperature for 1~2h.)	<u> </u>												
NOTE2:No Condensing NOTE3:Apply To The Condition Of Long Term Storage For Unused Products Befor Pcb On Board, After Pcb Board, operating temperature and humidity range is Applied for interim strage during transportation.  NOTE4:In accordance with IEC60664 and JIs C 60664, creepage distance of 1.6mm or more is required in 300V of rated voltage. (In pollution degree2 of printed wiring material) Please follow the standard applied to your device for required creepage distance and clearance.    Count	Rapid chang	e of temperature	Time 30min→ 30min Under 5 cycles. (The transferring time of the tank is 2~3 min)				12				×	_	
NOTE2:No Condensing NOTE3:Apply To The Condition Of Long Term Storage For Unused Products Befor Pcb On Board, After Pcb Board, operating temperature and humidity range is Applied for interim strage during transportation.  NOTE4:In accordance with IEC60664 and JIs C 60664, creepage distance of 1.6mm or more is required in 300V of rated voltage. (In pollution degree2 of printed wiring material) Please follow the standard applied to your device for required creepage distance and clearance.    Count													
Approved	NOTE2:No C NOTE3:Apply is A NOTE4:In ac (In	Condensing  y To The Conditio  pplied for interim  cordance with IE0  pollution degree2	n Of Long l strage durir C60664 and 2 of printed	Ferm Storage For Unused Produng transportation.  d JIS C 60664,creepage distance wiring material)	e of 1.6mr	m or more i	s requir	red in 30			numidity	range	
Approved   HK, UMEHARA   14, 05, 20   Checked   HK, UMEHARA   14, 05, 20   Checked   HK, UMEHARA   14, 05, 20   Designed   SZ, 0N0   14, 05, 20   Drawn   SZ, 0N0   14, 05, 20   Drawn   SZ, 0N0   14, 05, 20   Drawn   SZ, 0N0   SZ, 0N0   14, 05, 20   Drawn   SZ, 0N0	$\vdash$	nt	Descrip	tion of revisions		Design	ed			Checked	D	ate	
Unless otherwise specified, refer to JIS C 5402 and IEC60512.    Checked   HK. UMEHARA   14.05.20										IIIV IIIIGIIADA	1	)F 00	
Designed   SZ. 0N0   14. 05. 20	i verilai KS										+		
Unless otherwise specified, refer to JIS C 5402 and IEC60512.  Note QT:Qualification Test AT:Assurance Test X:Applicable Test Drawing No.  SZ. 0NO 14. 05. 20  Drawing No. ELC4-356515-01  Fart No. DF59M-2224PCF  HIROSE ELECTRIC CO., LTD. Code No. CL667-0042-8-00  1/1											-		
Specification sheet Part No. DF59M-2224PCF HIROSE ELECTRIC CO., LTD. Code No. CL667-0042-8-00 🛕 1/1	Unless oth	nerwise specif	ïed, refer	ed, refer to JIS C 5402 and IEC60512.									
HIROSE ELECTRIC CO., LTD. Code No. CL667-0042-8-00 🛕 1/1	Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Test	Dr	awing	No.	No. ELC4-356515-01				
HIROSE ELECTRIC CO., LTD.   Code No.   CL667-0042-8-00   🛕 1/1	HZC		Specification sheet			Part N	No.			DF59M-2224PCF			
		HIR				Code N	No.	Cl	L667	7-0042-8-00	⚠	1/1	

Applicable standard