Applicat	ole standard											
	Operating temperature range Operating humidity range Storage temperature range Storage		-55 °C to +105°C (Note1) 20% to 80% (Note2) Cur				Contact	AWG 16	AWG 18	AWG 20	AW	VG 22
Rating						ent	1	15A	13A	11A		9A
			-10 °C to +60°C (Note3) 40% to 70% (Note3)				2	14A	12A	10A		8A
												-
		humidity range		· · ·			3	12A	10A	8A		7A
	Applicable connector Voltage		DF63-*S-3.96C AC/DC 630V				4	4 10A 8A 7A		7A		6A
	<u> </u>		ACIDE 030V									
UL,C-UL			Rated Voltage Rated Current 600V AC/DC See above			Overvoltage Category IP-Deg			IP-Degre	e		
UL,C-UL TUV		600V AC/DC See above 300V AC/DC See above							IP00			
				Specifica	ations	 :	ш					
	ltem		Test me				Re	equiremen	ts		QT	A
Construc	ction											<u> </u>
General examination		Visually and by measuring instrument.				According to drawing.					Х	
Marking			d visually.								Х	
	characterist					10 01				r		
Contact resistance		20mV MAX, 1mA (DC or 1000Hz).			10 mΩ MAX.					Х	-	
Insulation resistance		500 V DC.				1000 MΩ MIN.					Х	-
Voltage pr		1500 V AC for 1 min.				No flashover or breakdown.					Х	-
	nical charact	eristics										
Mechanical operation		30 times insertion and extraction.				①Contact resistance: 20 m Ω MAX. ②No damage, crack or looseness of parts.					Х	-
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.					Х	-
Shock		490 m/s ² duration of pulse 11 ms at 3 times each for 3 both				①No electrical discontinuity of 1 μ s.				Х	-	
		axial direc	tions.			2 No da	amage, crack o	r looseness	of parts.			
Damp heat	mental charac		t 40 ± 2°C , 90 to 9	5 % 96 h		(1)Cont	act resistance	20 m 0 M	ΔΥ		Х	Γ_
(Steady state)		(After leaving the room temperature for 1-2h.)				(2) Insulation resistance: 500 M Ω MIN. (3) No damage, crack or looseness of parts.					Λ	
Rapid change of temperature		Temperature -55°C \rightarrow +85°C				(1) Contact resistance: 20 m Ω MAX.					Х	-
		Time 30min→ 30min				(2) Insulation resistance: 1000 M Ω MIN.						
		Under 5 cy (The tran	/cles. sferring time of the tar	nk is 2-3 min)		(3)No da	amage, crack o	r looseness	of parts.			
			ng the room temperature	,								
Resistance to Soldering heat		1)Solder bath method Soldered at solder temperature, 260°c for in immersion , duration, 5s.				Such as impaired function ,no deformation of case of excessive looseness of the terminals.					х	-
			g iron temperature :30 g time :3s.	50°С,								
		No stren	igth on contact.									
Solderability			Soldered at solder temperature, 245°c for in immersion, duration, 5 s.			A new uniform coating of solder shall cover minimum of 95 % of the surface being immersed.					Х	_
	ude the temperatur								o 2011.g 1111	lieleeu		<u> </u>
Note 2: No c Note 3: App		of long term	storage for unused pr	oducts before mour	nted on PC	В.						
		-	mperature and humid				during transpo	ortation.				
Cou	unt	Descript	ion of revisions		Desig	ned		Checked			Date	
<u>3</u> 2		DIS-H-00005518 TO. KUR			to. Kuro					2019		
Remarks							Approved		HS. OKAWA		2017	
							Checked		S. FUKUSHIN		2017	
Unless otherwise specified, refer to IE			EC 60512.			Designed Drawn			HT. SATO MI. SAKIMURA		2017	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					C	Drawing no.			ELC-378620-00-00			
HRS		Speci	Specification sheet			t no. D		DF63M	DF63M-*P-3.96DSA			
			•			nc	1					1/
		Hirose electric co., ltd.					CL680-					

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Code no.

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