Applicabl	e standard												
Operating temperature ra		nge	-55 °C to	+105°C (Note1)			Contact	AWG 16	AWG 18	AWG 2	0 A\	NG 22	
Rating	Operating humidity range		20% to 80% (Note2)		Curr	ent	1	15A	13A	11A	9A		
Storage		nge	-10 °C to +60°C (Note3)				2	14A	12A	10A		8A	
	Storage humidity range		40% to 70% (Note3)				3	12A	10A	8A		7A	
		onnector	DF63-*S-3.96C				4	10A	8A	7A			
	Voltage		AC/DC 630V				4	IUA	6A	/A		6A	
			1 - 1 // - 11	Data d O			0	0-1	1	ID D			
UL,C-UL			Rated Voltage Rated Current 600V AC/DC See above			Overvoltage Category IP-De			IP-Deg	gree			
	TUV		00V AC/DC	See abo			П			IP00	1		
				Specifica	ations	3							
I	tem		Test me				R	equiremen	ts		QT	AT	
Construct													
General exa	mination	Visually and by measuring instrument.				According to drawing.					X	X	
Marking		Confirmed visually.									X	Χ	
Electric of Contact resi	characterist	1									LV	1	
Contact Test	Starice	20mV MAX, 1mA (DC or 1000Hz).				10 mΩ MAX.					X	_	
Insulation resistance		500 V DC.				1000 MΩ MIN.					Х	-	
Voltage prod	of	1500 V AC	1500 V AC for 1 min.			No flashover or breakdown.					Х	_	
Mechani	cal charact	eristics										1	
Mechanical	operation	30 times insertion and extraction.				①Contact resistance: 20 m Ω MAX.					Х	_	
Vibration Freq			Frequency 10 to 55 Hz, single amplitude			②No damage, crack or looseness of parts. ①No electrical discontinuity of 1 $\mu$ s.					X	+	
Vibration			0.75 mm, at 10 cycles for 3 direction.				②No damage, crack or looseness of parts.						
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times each for 3 both axial directions.			3 both	①No electrical discontinuity of 1 μ s. ②No damage, crack or looseness of parts.					Х	_	
Environm	ental charac		tions.			(2)No (	damage, crack o	r looseness	of parts.				
Damp heat	ental charac		at 40 ± 2°C , 90 to 99	5 %. 96 h.		(1)Con	ntact resistance	: 20 mΩ M	AX		Х	Ι_	
(Steady state)	)	(After leaving the room temperature for 1-2h.)				②Insulation resistance: 500 MΩ MIN. ③No damage, crack or looseness of parts.							
Rapid change	of temperature	Temperature -55°C→ +85°C Time 30min→ 30min				①Contact resistance: 20 m Ω MAX. ②Insulation resistance: 1000 MΩ MIN.					X	_	
		Under 5 cy				~	ulation resista damage, crack c						
			sferring time of the tar	nk is 2-3 min)		©110 C	aamago, oraon c	1000011000	or parto.				
Resistance to	0	1	ng the room temperature	e for 1-2h.)		Cush	:			t'a.a. a.f			
Soldering he	Λ	Solder bath method     Soldered at solder temperature,				Such as impaired function ,no deformation of case of excessive looseness of the terminals.					Х	_	
			or in immersion , durati	ion, 5s.					4	<u>/3\</u>			
		2)Manual	•	2000									
			ng iron temperature :30 ng time :3s.	00 C,									
			ngth on contact.										
Solderability			at solder temperatur in immersion, durati	•			vuniform coat	-			X		
Note 1: Include the temperature rising by				011, 0 3.		minimum of 95 % of the surface being immersed. X —							
	to the condition of	_	storage for unused pr emperature and humid				e during transp	ortation.					
Cour	nt	Descript	tion of revisions	T	Desig	ned		Ch	ecked		ח	ate	
3 2	11.	<u>.</u>	·			ROMATSU			SZ. ONO			Date 20191202	
Remarks		N19-	10.			JIMA I SU	Approved		HS. OKAWA			70830	
							Checked	_	S. FUKUSHII	MA		70830	
							Designed		HT. SATO			70830	
Unless otherwise specified, refer to IEC 60512.							Drawn	_	I. SAKIMUR	A		70830	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					Drawi	ng no.	El	ELC-378620-00-00					
<b>HS</b>		Spec	fication sheet		Part	no.		DF63M-*P-3.96DSA				Т	
		Hirose	electric co., ltd.		Code	no.		CL680	<b>—</b>		<u> </u>	1/1	