	COUNT	DESCRIPTION OF REVI		ISIONS BY CHKD DA		DATE	ATE COUNT		NT DE	DESCRIPTION OF REVISIONS		VISIONS	BY	CHK	D D/	ATE	
$\dot{\mathbb{A}}$	1 RE-6-12		95		K.Y.H L.S.M 2019.		2019.01.0	8									
	OL ICAE	BLE STANDARD	`														
AFF	LICAL	Operating	,				F°O (N			Storag	re		10	°0	0000	/NI .	0)
RATING		Temperature Rar	nge	Te					Tempe	emperature Range			(Note	3)			
		Operating Humid Range	ity	20% to 80% (Note2)					Storag Range	rage Humidity 40% to 70% (Note3)							
		Applicable Conn	ector		DF5	1K-4D	S-2C(#	##)		Currer	nt 🗥		AWG 30 AWG 26			AWG 28 : 1A AWG 24 : 2.5A	
		Voltage		250V AC/DC							AWG 22 : 3A						
SPECIFICATIONS TEST METHOD DECLIDEMENTS OT AT																	
ITEM TEST METHOD REQUIREMENTS QT /											AT						
CONSTRUCTION General Examination Visually and by measuring instrument.										1 0							
Marki		nination	Visually and by measuring instrument. Confirmed visually. According								ording to	drawing.				0	0
		CAL CHARAC		·													
	act Res					C or 100	00Hz).			30 r	mΩ MAX.						
Milliv	olt Leve	el Method	20mV MAX, 1mA (DC or 1000Hz).													0	-
Insula	ation Re	sistance	500 V DC.							1,00	1,000 MΩ MIN.					0	-
Volta	ge Prod	f	650 V AC for 1 min.							No ·	No flashover or breakdown.				0	_	
MF	CHAN	ICAL CHARAC	TFR	ISTIC	s												<u>.</u>
		Operation				ıd extra	ction.			(1)C	①Contact resistance: 30mΩ MAX						
		(Sn Plating)	30 times insertion and extraction.							②N	②No damage, crack or looseness of parts.				0	-	
Mech	anical (Operation	50 times insertion and extraction.							①C	①Contact resistance: 30mΩ MAX						
		(Au Plating)								2N	②No damage, crack or looseness of parts.					0	_
Matin	ng and u	nmating	It takes out and inserts with a conformity connector.						tor. ①Ir	①Insertion Force: 24.2N MAX							
force		(Sn Plating)	<u> </u>							2E	②Extraction Force: 1.2N MIN				0	-	
Matin	ng and u	nmating	It takes out and inserts with a conformity connector.								①Insertion Force: 16.2N MAX						
force (Au Plating)											②Extraction Force: 1.0N MIN				0	-	
Vibra	tion		Frequency 10 to 55 Hz, single amplitude 0.75 mm,							, _	①No electrical discontinuity of 1 μ s. ②No damage, crack or looseness of parts.					0	-
Shoc	k		at 10 cycles for 3 direction. Acceleration 490 m/s ² duration of pulse 11 ms at 3								-1 ~						
			times for 3 directions.													0	-
EΝ\	/IRON	IMENTAL CHA	RAC	TERIS	STICS												1
							n. ①0	①Contact resistance: 30 mΩ MAX.									
(Steady State)			(After leaving the room temperature for 1 to 2h.)								②Insulation resistance: 500MΩ MIN. ③No damage, crack or looseness of parts.				"	_	
Rema	arks									(J)(V	io uamage	s, Crack Or	1005611658	or part	.5.		1
Note Note	1: Inclu 2: No c 3: Appl	de the temperature ondensing y to the condition o	f long t	term st	orage fo		-		-	cb on b	oard, afte	r pcb board	d , operati	ng temp	eratu	re and	
	humidity range is applied for interim storage during transportation.																
DRAWN DESIGNED CHECKED APPROVED RELEASE										SED							
							J.S CHOI		J.S	J.S CHOI S.M.LI		M T.S KANG					
							17.12.22		17.1	17.12.22 17.12.2		22 17.12.22					
Unless otherwise specified, refer to IEC 60512.																	
NOTI	NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST																
HIROSE KOREA CO.,LTD. SPECIFI						CIFICA	ICATION SHEET PART NO. DF51K-4DP-2DSA(80			A(80)5) <u> </u>						
	NO.(OL	D)	DRAWING NO.					CL 6652-0006-5-805				805	1/				
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Rapid Change of	Temperature -55 °C → $+105$ °C	①Contact resistance: 30 mΩ MAX.		
Temperature	Time 30min → 30min	②Insulation resistance: 1,000MΩ MIN.	0	-
	Under 5 Cycles.	③No damage, crack or looseness of parts.		
	(The transferring time of the tank is 2 to 3 MIN)			
	(After leaving the room temperature for 1 to 2h.)			
Dry Heat	Exposed at 105±2 °C, 96h	①Contact resistance: 30 mΩ MAX.		
		②Insulation resistance: $1,000M\Omega$ MIN.	0	-
		③No damage, crack or looseness of parts.		
Cold	Exposed at -55±3 °C, 96h	①Contact resistance: 30 mΩ MAX.		
		②Insulation resistance: 1,000MΩ MIN.	0	-
		③No damage, crack or looseness of parts.		
Resistance To Soldering	①Automatic soldering (flow)	No deformation of case of excessive looseness		
Heat	Soldered at solder temperature,	of the terminals.		
	260 °C for in immersion , duration, 5 s.			
	②Manual soldering		0	_
	Soldering iron temperature :270 °C,			
	Soldering time :3s.			
	No strength on contact.			
Solderability	Soldering temperature: 245 °C	New uniform coating of solder shall cover		
	Duration of immersion :soldering, for 5 sec.	minimum of 95 % of the surface Being	0	-
		immersed.		

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST								
LUDOOF KODEA OO LEI	`		N OUEET	PART NO.				
HIROSE KOREA CO.,LTI	SPECIFICATIO	N SHEET	DF51K-4DP-2DSA(805)					
CODE NO.(OLD)		NG NO.	CODE NO.	CL 6652-0006-5-805	2 /			
CL		ELC4-632457		GL 0002-0000-0-800	2			