	COUNT	DESCRIPTION OF REVIS		IONS	NS BY CHKD DATE			COUN	T DE	DESCRIPTION OF REVISIONS		BY	CHK	D D	ATE			
$\dot{\mathbb{A}}$	1	RE-6-17	79 C.J.S L.S.M		2020.0	20.04.07			_									
		DI E CTANDADE							\triangle									
APPLICABLE STANDARD Operating F5°C + 105°C (N-++1) Storage 10°C + 150°C (N-++2)											۵)							
RATING		Temperature Rar		e -55 C to 105 C (Note I) Te					Tempe	emperature Range -10°C to +60°C ((Note	(Note3)				
		Operating Humid Range	ity	20% to 80% (Note2)						Storag Range	rage Humidity 40% to 70% (Note ge				Note3)			
		Applicable Conn	ector	tor DF51K-3S-2C(###)					Currer	Surrent AWG 30 : 0.5A AW				WG 28	/G 28 : 1A			
		Voltage		250V AC/DC							AWG 22-26 : 2A							
							PEC		IC/	ATIC	<u>NS</u>							
		ITEM	TEST METHOD									REQUIREMENTS					QT	AT
		UCTION mination	Visually and by magazing instrument										Τ.	Ι _				
Mark		nination	Visually and by measuring instrument. Confirmed visually. According 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). 30 r														0	_
Insul	ation Re	esistance	500 V DC. 1,000 MΩ MIN								N.	N. 0				_		
Volta	age Prod	of	650 V AC for 1 min.							No	No flashover or breakdown.				o	_		
MECHANICAL CHARACTERISTICS											ı							
		Operation	30 times insertion and extraction.							①C	①Contact resistance: 30mΩ MAX							
		(Sn Plating)								2N	②No damage, crack or looseness of parts.					0	-	
Mech	nanical (Operation	50 times insertion and extraction.							①C	①Contact resistance: 30mΩ MAX							
		(Au Plating)								2N	②No damage, crack or looseness of parts.				0	-		
Matir	ng and u	nmating	It takes out and inserts with a conformity connector.							or. ①Ir	①Insertion Force: 26.0N MAX							
force)	(Sn Plating)								2E	②Extraction Force: 0.75N MIN				0	-		
Matir	ng and u	nmating	It takes out and inserts with a conformity connector.							or. ①Ir	①Insertion Force: 17.7N MAX							
force		(Au Plating)								2E	②Extraction Force: 0.75N MIN					0	-	
Vibra	ation		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.								①No electrical discontinuity of 1 μ s. ②No damage, crack or looseness of parts.					0	_	
Shoc	:k		Acceleration 490 m/s ² duration of pulse 11 ms at 3							_	-							
			times for 3 directions.								0	-						
EΝ	VIRON	IMENTAL CHA	RAC	TERIS	STICS													
	p Heat						nidity (dity 90 to 95 %, 96 h.				①Contact resistance: 30 mΩ MAX.					Τ,	
(Steady State)			(After leaving the room temperature for 1 to 2h.)							_	②Insulation resistance: 500MΩ MIN.				0	-		
Rema	③No damage, crack or looseness of parts. Remarks																	
Note	2: No c 3: Appl	de the temperature ondensing y to the condition o idity range is applie	of long t	erm st	orage fo		-			fore p	cb on bo	oard, afte	r pcb board	d , operati	ng temp	eratu	re and	
								D	RAW	N	DES	IGNED	CHECKE	ED AI	PPROVE	D	RELEA	SED
							J.S CHOI		J.S	J.S CHOI S.M.LI		M T.S KANG		EN	ENG			
							18.03.02		18.0	18.03.02 18.03.				20. 04 DEF				
Unless otherwise specified, refer to IEC 60512.					0115.11	105 ==	<u> </u>										<u> </u>	
NOT	E QT:	QUALIFICATION 1	EST /	AI: AS	SURAN	ICE TE	SI 0:	: AP	LUC	ABLE	IEST	D/	ART NO					
HIROSE KOREA CO.,LTD. SPECIF					CIFIC	ICATION SHEET PART NO. DF51KB-3P-2DS(80			S(805	i)								
	E NO.(OL	.D)	DRAWING NO. ELC4-632587							CL 6652-0062-6-805					1/2			
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Rapid Change of	Temperature -55 °C → $+105$ °C	①Contact resistance: 30 mΩ MAX.		
Temperature	Time 30min → 30min	②Insulation resistance: $1,000M\Omega$ 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: $1,000M\Omega$ 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 LED	ODE	OICIOATION	OUEET	PART NO.					
HIROSE KOREA CO.,LTD.	SPE	CIFICATION	SHEET	DF51KB-3P-2DS(805)					
CODE NO.(OLD)	DRAWING NO.		CODE NO.	CL 6652-0062-6-805					
CL	ELC4-63	2587		OL 0002-0002-0-600	/ 2				