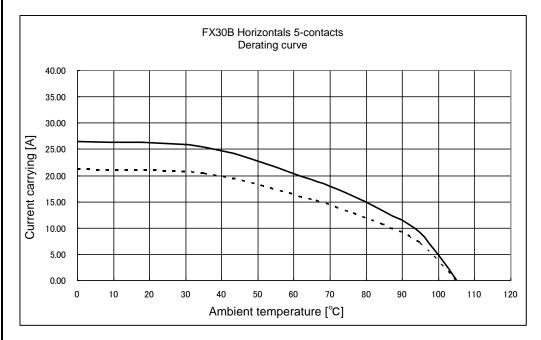
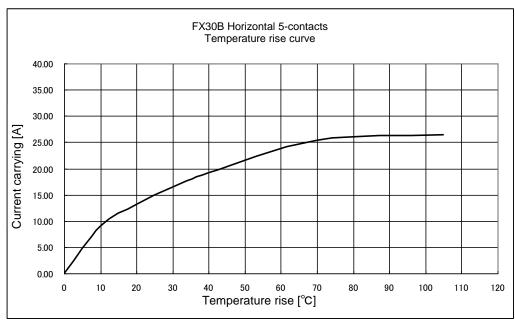
Applicable standard /2			UL : UL1977, C-UL : CSA22.2 No.182.3-M1987, TÜV : EN61984:2009 ⁽³⁾									
	Voltage 3		250 V AC/DC(UL/C-UL)		Operating Temperature Range			-55 °C to 1	-55 °C to 105 °C ⁽¹⁾			
RATING			` '			Operating Humidity Range			Relative Humidity 85% ma (Not dewed)		max	
	Current 🔬		20 A (AMBIENT TEPM 25°C) 13 A (UL/C-UL) Storage Temperature Range			-10 °C to 60 °C ⁽²⁾						
		/2\	15 A (TÜV) Storage Humidity Range 40 % to 70) % ⁽²⁾				
			SPECIFICATIONS									
ITI			TEST METHOD			REQUIREMENTS				QT	AT	
CONSTRUCTION											,	
General Exam	nination		ally and by measuring instrument.			According to drawing.					×	
Marking			ned visually.							×	×	
ELECTRIC	CHARACT	[ERISTI	CS	3								
Contact Resis	tance	10 mA(D	C or 1000Hz)			2 mΩMAX.				×	_	
Insulation Resi	stance	250 V DC.				1000 MΩ MIN.				×	_	
Voltage Proof	- 2	750 V AC for 1 min.				No flashover or breakdown.					<u> </u>	
MECHANIC		•				. 10 1100		Januo		×	1	
	AL CHAR								NINANY	1	1	
Insertion and		Measure	ed by applicable connector.				n Force:	-	N MAX.	×	-	
Withdrawal Forces						Withdrawal Force: 1.0 N MIN.						
Mechanical O	peration	100 times	100 times insertions and extractions.			① Contact Resistance: 5 m Ω MAX.			×	_		
						② No damage, crack and looseness of parts.						
Vibration			cy 10 to 55 to 10Hz, approx 5			① No	No electrical discontinuity of 1 μs.			×	_	
		Single amplitude: 0.75 mm, 10 cycles for 3 axial directions.				2 No	damage, o	crack ar	nd looseness of parts.			
			² , duration of pulse 11 ms, to both directions in 3 axial directions.							×	_	
ENI/IRONIA	/ENTAL C		TERISTICS									
	ALIVIAL C			00 1 45		(1) (2)		-1	5 O. MANY	Т.,		
Damp Heat Expo (Steady State)		Exposed	xposed at 40±2 °C, 90 ~ 95 %, 96 ±4h.			 Contact Resistance: 5m Ω MAX. Insulation Resistance: 1000 MΩ MIN. 				×	_	
						No damage, crack and looseness of parts.						
Temperature	OI	Temperature -55 → +105 °C				3 110	damage, d	Clack al	id looseness of parts.	×	_	
remperature		Time	30 → 30 min.									
		under 5 c	•	\								
,		(Relocation time to chamber: within 2~3 MIN)										
Dry heat E		Exposed at +105±2°C for 96±4h.							×	_		
Cold		Exposed at -55±2°C for 96±4h.								×	_	
Sulfur Dioxide Exp		Exposed	Exposed at 25±2°C, 75±5%RH,			 Contact Resistance: 5mΩ MAX. No defect such as corrosion which impairs the function of connector. 				×	-	
Resistance to		25 PPM for 96h±4h. Solder bath : Solder temperature 260±5°C										
											+_	
		for immersion, duration 10±1sec.					erminal.			S ×		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	^	Soldering irons: 380°C MAX. for 10 sec.				,o t						
	<u>/1</u> \	Journing	110115 . 300 C IVIAA. 101 10 S	c 0.								
Solderability Solder			rad at adder town aratura 240 ± 2°C			A new uniform coating of solder shall cover a					1	
Soluerability			oldered at solder temperature 240±3°C rimmersion, duration 3 sec.					-		×	_	
		ror immer	sion, duration 3 sec.			minimum of 95 % of the surface being immersed.					1	
		<u> </u>										
COUNT	T D	ESCRIPTION	ON OF REVISIONS		DESIG	NED			CHECKED	D/	DATE	
A 2		DIS-F-00002346			TS. 00	ONO	NO		HT. YAMAGUCHI)5. 12	
\leftarrow	Include tempera					APPROVED		HS. OKAWA	13. 03. 07			
REMARKS (1) Include temperature rise cau (2) "Storage" means a long-term						AFFRU	/ E D	ПЭ. UNAWA	+			
	•	product before assembly to PCB.				CHECKED KI.HI		KI.HIROKAWA	13. 03. 07			
(3) Pollution degree:2 type of ter			minals :dip solder contacts.				DESIGN	IED	DK. AIMOTO	13 (03. 07	
l		· · ·	- 10 O F400 IF000540			DRAWN						
Unless otherwise specified, refer			to JIS-C-5402,IEC60512.			DR		N	DK. AIMOTO		13. 03. 07	
Note QT:Qualification Test AT:Assurance Test X:Applicable T				est	DRAWING NO. ELC4-347258			3-00				
HRS	S	PECIFI	CATION SHEET		PART NO.		FX30B-5P-3. 81DSA20			20		
		OSE EI	ECTRIC CO., LTD.		CODE NO.		CL570-3103-1-00		<u> </u>	1/2		
EODM HDOO11	0 1											



[REFERENCE]





- (note 4) Derating curve takes manufacturing tolerances into consideration as well as uncertainties in temperature measurement and the measuring set up and is derived from the base curve multiplied by 0.8 calculation.
- (note 5) The value of rated current differs depending on the ambient temperature. it is recommended to use the product within the derating curve zone. if used under UL or TUV standard, please use within the standard specification.
- (note 6) Measurement method of derating curve is shown below.
 - Test Specimen : used FX30B-5P-3.81DS. used FX30B-5S-3.81DS.
 - Test condition: Turn on electricity under the static state and measure. (Test report # TR570E-20627)

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC4-347258-00		
HS	SPECIFICATION SHEET	PART NO.	FX30B-5P-3. 81DSA20			
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL570	0-3103-1-00	4	2/2