Applicable standard

Operating temperati		•	-55° C to + 85° C (Note 1		e 1)	Storage temperature range			-10°C to + 60°C(Note 3)			
Pating	Operating	3	$\frac{\overline{\Delta}}{\Delta}$	20% to 80%(Note 2)		Storage humidity range		A	40% to 70% (Not			
Rating	humidity i	range	<u> </u>					<u> </u>				
	voltage		_	1000V AC/DC		Applicable connect			DF22-*(D) EP-7. DF22#-*(D) EP-7			
	Current((*1)	<u> </u>	AWG14 : 20A AWG16 : 15A		A 1: 1- 1-						
<u> </u>					Applicable	1			1430/UL1007: AWG14, AWG16			
	K	ated volt	age	Rated curr			ins	ulationg	roup	IP-Protectio	tectio method	
UL AC		AC 600'	V	(At ambient temp. 2				_		_		
C-UL		AC 600'	V	See above (*1) (Temp. r						_		
TÜV		AC 600'		See above(П		IPOC)	
				•	, ,	ations						
				•	CITIC	alions					0.7	
I General exam	tem	Vici	ually and	Test method d by measuring instrument.		Λ.	coording	to drawin	quirement	is .	QT	AT
Marking	ination		ofirmed v	<u> </u>			ccording	to drawing	g.		X	X
	h o # o o t		IIIIIIeu v	visually.							^	^
Electric c			\\ / N.4.0	V 4 == 1 (DC OD 4000 H=)		1 -	0 MAN	,			1	Ι
Contact resista	ance	20	лп∨ IVIÆ	AX, 1mA (DC OR 1000 Hz).		5	mΩ MAX				Х	—
<delete> /1</delete>	\											
 Delete> /₁	<u> </u>										1	
	7											<u> </u>
Mechanio	cal cha	racteris	stics									
Mechanical	operation	3	30 time	s insertions and extractions.		1	Contac	t resistan	ce: 10 mg	2 MAX.	Х	_
										eness of parts.		
Vibration				y 10 to 55 Hz, single amplitu	ude			ctrical disc	-	•	Х	_
Shock			0.75 mm, at 2 h, for 3 directions. 490 m/s ² duration of pulse 11 ms at 3 times for 3			or 3	② No damage, crack or looseness of parts.					
			directions.								X	_
Environm	nental d	characte	eristic	CS		'						
Rapid chang	je of	Ter	mperat	ure -55→ 5 to 35→+85→ 5	5 to 35 °	c 1	Contac	t _{resistan}	ce: 10 mg	Ω MAX.	Х	
temperature			Time $30 \rightarrow 5 \text{ max} \rightarrow 30 \rightarrow 5 \text{ max min}$				<delete>/1\</delete>				^	
				ler 5 cycles.			② No damage, crack or looseness of parts.					
Damp heat (Steady stat	۵)	Exp	Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.			_	① Contact resistance: 10 mΩ MAX. <delete>/1</delete>			Χ	_	
(Otoday Stat	0)						② No damage, crack or looseness of parts.					
	Λ					Į.	7 110 4411	lago, orac	JIC 01 1000	oned or parte.	1	l
Remarks Z	1											
Note 1:Include Note2:No con		rature risino	g by cur	rent.								
	0	ion of long	term sto	orage for unused products before	e mount o	on pcb,						
After m	ounted on p	pcb, operati	ing tem	perature and humidity range is a	pplied fo	r interim stora	age during	transporta	tion.			
Coun	t	De	escription	on of revisions Designed Checked			ecked	Da	ate			
16				I-00002612		TS. KUMAZ/	AWA		TS. FL	IKUSHIMA		7. 10
Jnless oth	erwise s	pecified,	, refer	to IEC 60512.			А	pproved	K	J. KATAYOSE	05.0	1. 05
							С	hecked		TY. OMA	05.0	1. 05
							D	esigned	Н	K. UMEHARA	05.0	1. 05
								Drawn	Н	K. UMEHARA	05.0	1. 05
Note QT:C	ualificatio	on Test A	AT:Ass	urance Test X:Applicable Te	est	Dr	awing no	 o.	ı	LC4-163621	-00	
	1			11		210						
H2C	LRS Specification sheet			Part no	Part no. DF22-1416		2-1416PCF					

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CL680-1078-0-00

Code no.

Hirose electric co., ltd.



(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 basic curve multiplied by 0.8 calculation.

(Note 5)The value of rated current differs depending on the ambient temperature.

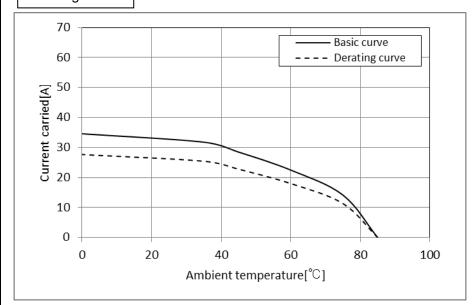
It is recommended to use the product within the derating curve zone.

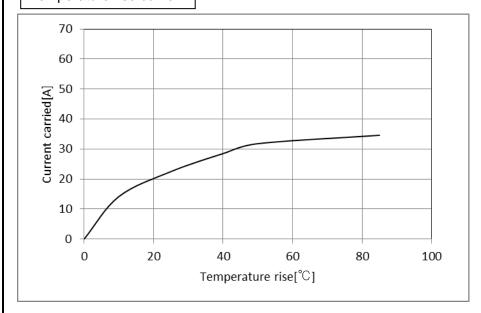
(Note 6) Measurement method of derating curve is shown below.

- Test specimen:Unused DF22-1P-7.92DSA(05).
 - Unused DF22-1S-7.92C(28)
 - Unused DF22A-1416SCF
- · Test cable spec:AWG 14
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20855)

[Reference]

Derating curve





Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing no.		ELC4-163621-00		
HS	Specification sheet	Part no.	DF22-1416PCF			
	Hirose electric co., ltd.	Code no.	CL680	0-1078-0-00	Λ	2/6

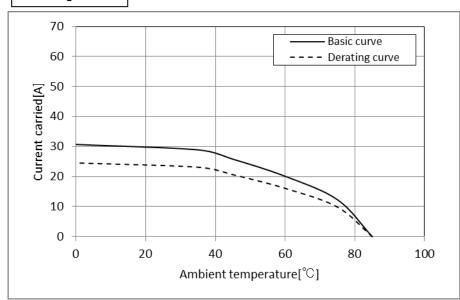


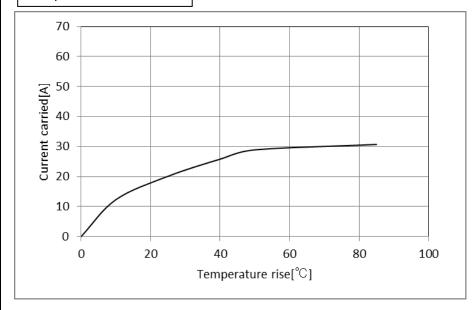
(Note 7) Measurement method of derating curve is shown below.

- Test specimen:Unused DF22-3P-7.92DS(05).
 Unused DF22-3S-7.92C(28)
 Unused DF22A-1416SCF
- Test cable spec:AWG 14
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20855)

[Reference]

Derating curve





Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	Drawing no.		ELC4-163621-00		
HS	Specification sheet	Part no.	DF22-1416PCF			
	Hirose electric co., ltd.	Code no.	CL680	0-1078-0-00	Δ	3/6

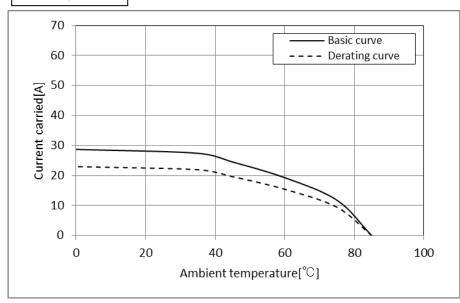


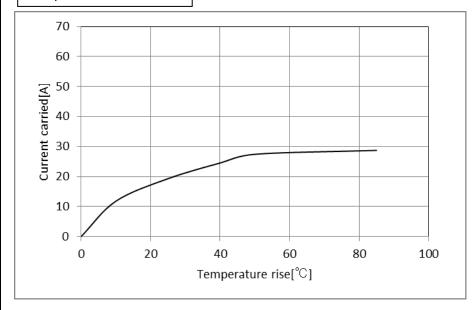
(Note 8) Measurement method of derating curve is shown below.

- Test specimen:Unused DF22-5P-7.92DS(05).
 Unused DF22-5S-7.92C(28)
 Unused DF22A-1416SCF
- Test cable spec:AWG 14
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20855)

[Reference]

Derating curve





Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	Drawin	g no.	ELC4-163621-00		
HS.	Specification sheet	Part no.	t no. DF22-1416PCF			
	Hirose electric co., ltd.	Code no.	CL680	0-1078-0-00	Δ	4/6

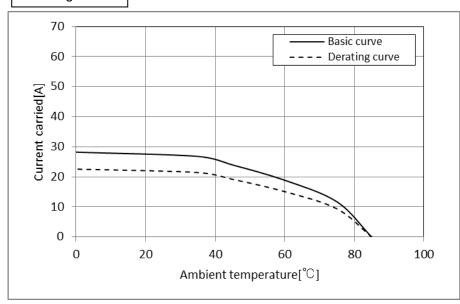


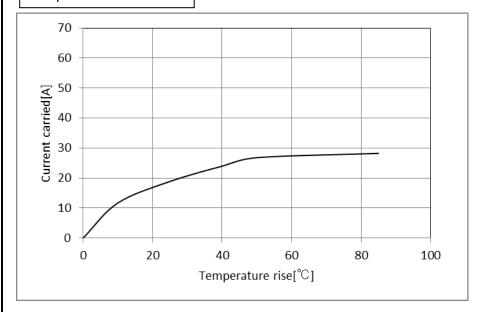
(Note 9) Measurement method of derating curve is shown below.

- Test specimen:Unused DF22-3P-7.92DS(05).
 Unused DF22-3S-7.92C(28)
 Unused DF22A-1416SCF
- Test cable spec:AWG 16
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20855)

[Reference]

Derating curve





Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	Drawing no.		ELC4-163621-00		
HS.	Specification sheet	Part no.	DF22-1416PCF			
	Hirose electric co., ltd.	Code no.	. CL680-1078-0-00		Λ	5/6

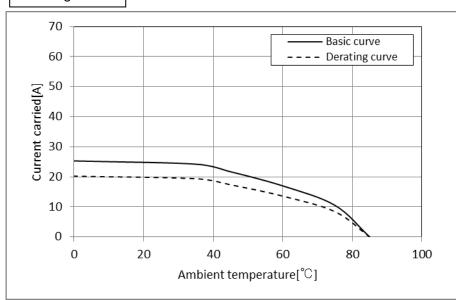


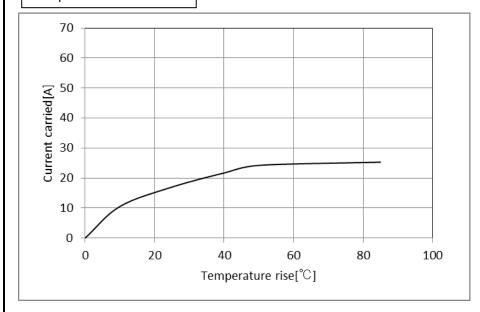
(Note 10) Measurement method of derating curve is shown below.

- Test specimen:Unused DF22-5P-7.92DS(05).
 Unused DF22-5S-7.92C(28)
 Unused DF22A-1416SCF
- Test cable spec:AWG 16
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20855)

[Reference]

Derating curve





Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	Drawing	g no.	ELC4-163621-00		
HS.	Specification sheet	Part no.	DF22-1416PCF			
	Hirose electric co., ltd.	Code no.	CL680-1078-0-00 🛕			6/6