Applicab	la star	ndard											
Арріісав	Opera			-55°C to + 85°C(Note 1) Storag		10		-10°C to + 60°C(Note					
	Temperature Range		Range	-5	5°C 10 + 85	*C(Note 1)	Tempe	erature range		-10 C to + 00 C(Note2		otez)	
Rating	Operating Humidity range			20% to 80% (Note3) Storag			ge dity range		40% to 70%(No		te2)		
	Voltag	ge			AC 1000	V DC	Applic	able Connecto	r		22-1S-7.92C(2		
	0	-1/ 1.4			AWG10	: 30A				D	F22C-1S-7.92	С	
	Curre	nt(* 1)				: 25A							
						: 20A							
				AWG16 : 15A									
		Ra	ated voltage	е	AVA/C40:42A	Rated cu VAWG12:38A/A		\/A\A\C16:21A	Insu	ulationgroup	IP-Protectio	meth	od
UL			AC 600V			At ambient temp.				_	_		
C-UL	_		AC 600V			oove(*1) (Temp.				_			
TÜV	•		AC 600V			See abov	re(*1)			I	IPO)	
						Specific	cation	ns .					
	Item				Test met	hod			R	equirements		QT	АТ
Construct	tion		· ·					1		<u> </u>			1
General exa		n	Visually a	nd by	measuring in	strument.		According to	draw	ing.		Х	Χ
Marking			Confirmed					1		J		X	X
Electric	chara	cterist	ics									1 / \	
Contact res		_	20mV N	20mV MAX, 1mA (DC OR 1000 Hz).			5 mΩ MAX.				Х	_	
millivoltleve													
Mechani													
Mechanical	Mechanical operation 30 time			es insertions and extractions.			① Contact resistance: 10mΩ MAX.				Х	_	
				ncy 10 to 55 Hz, single amplitude			 No damage, crack or looseness of parts. No electrical discontinuity of 1μs. 						
					o 55 Hz, singl ? h, for 3 direc					•	•	Х	
				duration of pulse 11 ms at 3 times for 3			 2 No damage, crack or looseness of parts. 1 No electrical discontinuity of 1μs. 				Х		
OHOCK				ns. ② No damage, crack or looseness of par				•	^	_			
Environn	nenta	l char	acteristi	cs				•					
Rapid chan	ge of		Temperat	ure -5	55→ 5 to 35−	→+85→ 5 TO	35 °C	① Contact r	esista	ance: 10mg	2 MAX.		
temperature	9		Time Under 5 c			→ 30 → 5 M	AX min	No damage, crack or looseness of parts.			ness of parts.	X	_
Damp heat			Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.			① Contact resistance: 10mΩ MAX.							
(Steady star	te)		,				② No damage, crack or looseness of parts.				Х	_	
Resistance	to		①Automa)Automatic Soldering (Flow)			No deformation of case of excessive						
soldering he	eat		Solder temperature : 260°C for				looseness of the terminals.				Х	_	
					uration: 10								
Solo Solo		②Manual soldering											
			_	n temperature	e : 350°C								
			Soldering time : 3 sec.										
		No strength on contact.			Solder shall cover a minimum of								
			Soldered at solder temperature, 235°C for insertion duration, 5sec.				95 % of the surface being immersed.			Х	_		
Remarks			200 0 10		and adiation	, 5500.		00 /0 OF LIFE	Julia	oo bonig iiiiii	10.000.	<u> </u>	<u> </u>
Note 1:Inclu	ding the	tempera	ature rising	by cur	rent.								
Note 2: Appl	y to the	conditio	n of long te	rm sto	rage for unuse	ed products bet							
			ation tempe	erature	and humidity	range is applie	ed for inte	rim storage du	ring tr	ansportation.			
Note 3: No c	ondensi	ng.											

	Count	Description of revisions	Designed		Checked		Date	
\triangleright								
Unle	ess othe	erwise specifid, refer to IEC 60512.		Appr	oved	HS. OKAWA	17. 08. 22	
				Che	cked	TS. FUKUSHIMA	17. 08. 22	
					Designed MI. SAM		17. 08. 22	
				Dra	ıwn	MI.SAKIMURA	17. 08. 22	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			est Dra	wing no.		ELC-163202-	25-00	
Specification sheet Part no.				DF22-1P-7. 92DSA (25)				
• '		HIROSE ELECTRIC CO., LTD.	Code no	. (CL680)-1013-5-25	1/5	

(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.

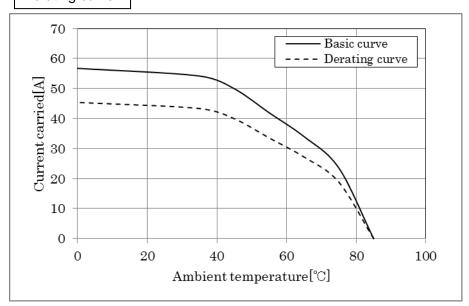
• Test specimen:Unused DF22-1P-7.92DSA(05).

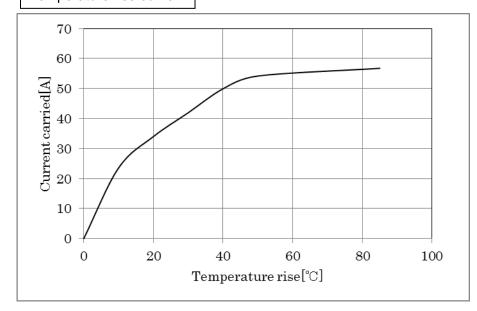
Unused DF22-1S-7.92C Unused DF22A-1012SCF

- Test cable spec:AWG 10
- Test condition: Turn on electricity under the static state and measure.
 (Test report # TR680E-20618)

[Reference]

Derating curve





Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawin	g no.	ELC-163202-25-00		
HR	J.	Specification sheet	Part no.	DF22-1P-7. 92DSA (25)			
	1.0	Hirose electric co., ltd.	Code no.	CL680)-1013-5-25	Δ	2/5

(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.

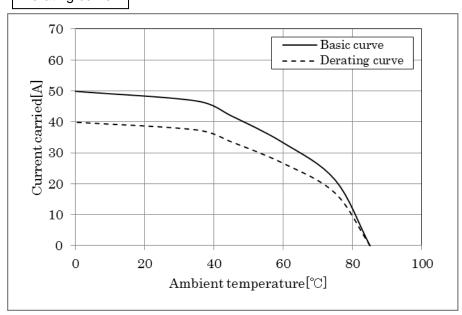
• Test specimen:Unused DF22-1P-7.92DSA(05).

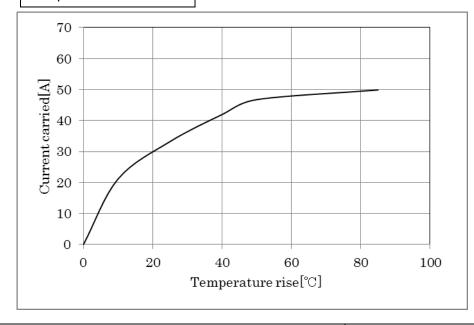
Unused DF22-1S-7.92C

- Unused DF22A-1012SCF
- Test cable spec:AWG 12
 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	Drawin	g no.	ELC-163202-25-00		
RS.	Specification sheet	Part no.	DF22-1P-7. 92DSA (25)			
	Hirose electric co., ltd.	Code no.	CL680	0-1013-5-25	Δ	3/5

(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.

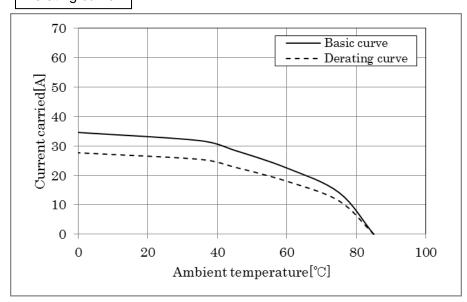
• Test specimen:Unused DF22-1P-7.92DSA(05).

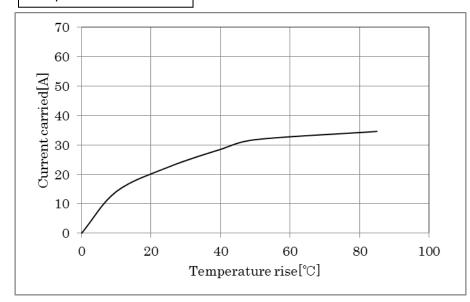
Unused DF22-1S-7.92C Unused DF22A-1416SCF

- 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	Drawin	g no.	ELC-163202-25-00		
SH.	Specification sheet	Part no.	DF22-1P-7. 92DSA (25)			
1.0	Hirose electric co., ltd.	Code no.	CL680	0-1013-5-25	Δ	4/5

(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 DF22-3P-7.92DS(05).

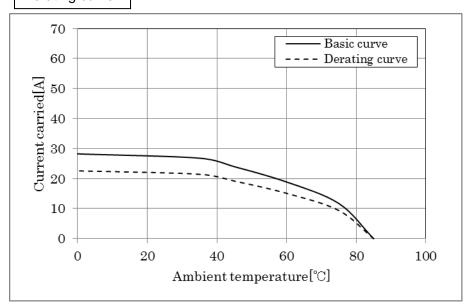
Unused DF22-3S-7.92C

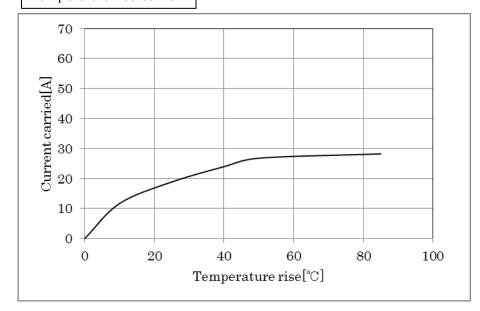
Unused DF22A-1416SCF

- 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	Drawin	g no.	ELC-163202-25-00		
HS.	Specification sheet	Part no.	DF22-1P-7. 92DSA (25)			
	Hirose electric co., ltd.	Code no.	CL680	0-1013-5-25	Δ	5/5