Applicable	e star	ndard											
Operating		-5	5°C to + 85°	C(Note 1)	e 1) Storage			-10°C to + 60°C(te2)			
Temperature F		Range			,		erature range			,	,		
Rating	Operating Humidity range		20% to 80% (Note3) Storag		ge dity range		40% to 70%(Not		e2)				
	Voltag	je			AC 1000\	/ DC	Applic	able Connecto	r		22-1S-7.92C(2		
	Curro	nt(* 1)			AWG10 :					D	F22C-1S-7.92	С	
	Currer	III(* 1)			AWG12 :	-							
					AWG14 :	20A							
	1	Do	tod voltog		AWG16 :	15A Rated cu	ront		Inai	lationarous	ID Drotootio	math	- d
-			ited voltag	е	AWG10:43A/	AWG12:38A/AV		VAWG16:21A	mst	ulationgroup	IP-Protectio	mem	ou
UL			AC 600V			t ambient temp.2				_	_		
C-UL			AC 600V		See abo	ove(*1) (Temp. r		°C MAX)					
TÜV			AC 600V			See above				I	IPOC)	
						Specific	ation	S					
It	tem				Test meth	od			R	equirements		QT	АТ
Constructi	ion												
General exa	minatio	n	Visually a	and by	measuring ins	strument.		According to	draw	ing.		Χ	Χ
Marking			Confirme	d visu	ally.			1				Х	Х
Electric c	harad	cterist	ics					<u> </u>				1	1
Contact resis			20mV I	mV MAX, 1mA (DC OR 1000 Hz).			5 mΩ MAX.				Х	_	
millivoltlevel													
Mechanic			eristics										
Mechanical operation 30 times			s insertions and extractions.			① Contact re			Ω MAX.	Χ	_		
		y 10 to 55 Hz, single amplitude			2 No damage, crack or looseness of parts.1 No electrical discontinuity of 1µs.								
			o 55 Hz, single ! h, for 3 direct					•	•	Χ			
			on of pulse 11		for 2	② No damage, crack or looseness of parts.① No electrical discontinuity of 1µs.				V	_		
Shock 490 m/s ² direction				on or puise in	ilis at 5 tillles	5 101 3	② No damage, crack or looseness of parts.			Х	_		
Environm	nental	char	acteristi	ics				E 140 dama	90, 01	401 01 100001	icos or parto.		
Rapid chang		onan			55→ 5 to 35→	+85→ 5 TO 3	85 °C	① Contact re	esista	nce: 10m(2 MAX.		
temperature			Time		0→ 5 MAX -			0			ness of parts.	Χ	_
			Under 5 d	cycles.	rcles.								
Damp heat			Exposed	l at 40 ± 2 °C, 90 to 95 %, 96 h.			① Contact resistance: 10mΩ MAX.			Х			
(Steady state	e)					② No damage, crack or looseness of parts.					_		
Resistance t	·O		1 Autom	atic Sc	Idorina (Flow)			No deformati	on of	case of exce	ecive		
soldering he			①Automatic Soldering (Flow) Solder temperature: 260°C for			No deformation of case of excessive looseness of the terminals.				Х	_		
		Immersion, duration: 10 sec.											
			②Manua										
			Solderi	ng iroi	n temperature	: 350°C							
				-	e : 3 sec.								
0.11.135					on contact.						,		
· · · · · · · · · · · · · · · · · · ·			der temperatur				folder shall cover a minimum of 95 % of the surface being immersed.			Х	_		
Remarks			233 6 10	אוווונע	rtion duration,	osec.		95 % 01 1116	Sulla	ce being inin	ierseu.		
Note 1:Includ	ling the	tempera	ture rising	by cur	rent.								
					rage for unused								
			ation tempe	erature	and humidity r	ange is applie	d for inte	rim storage du	ring tr	ansportation.			
Note 3: No co	ondensi	ng.											

	Count	Description of revisions	Designed		Checked		Date	
\triangleright								
Unless otherwise specifid , refer to IEC 60512.				Appr	oved	HS. OKAWA	17. 08. 22	
				Che	cked	TS. FUKUSHIMA	17. 08. 22	
					Designed MI. SAKI		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	
Н	25	Specification sheet	Part no.		5)			
		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.

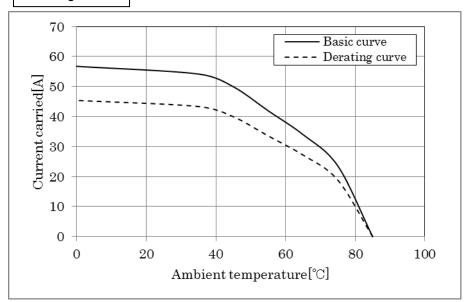
• Test specimen:Unused DF22-1P-7.92DSA(05).

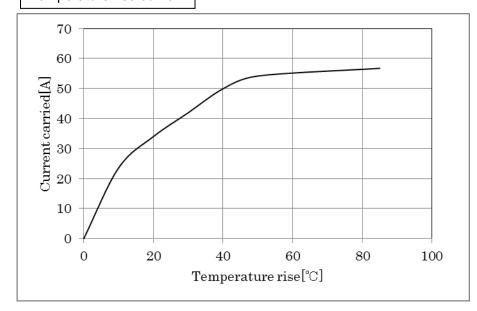
Unused DF22-1S-7.92C

- 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.

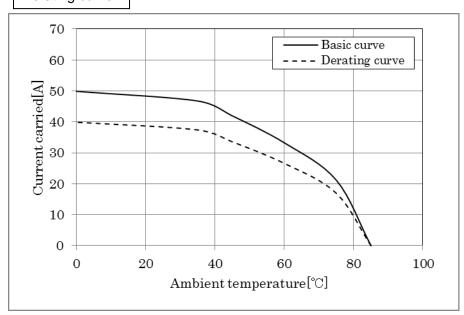
Test specimen:Unused DF22-1P-7.92DSA(05).
 Unused DF22-1S-7.92C

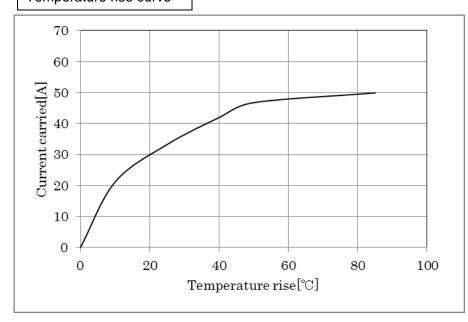
Unused DF22A-1012SCF

- 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		
КS	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).

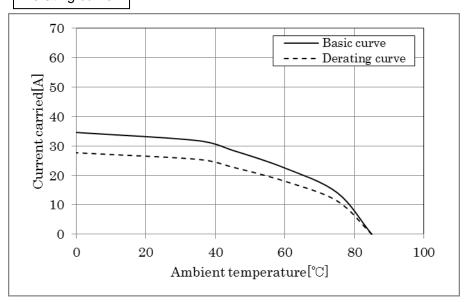
• Test cable spec:AWG 14

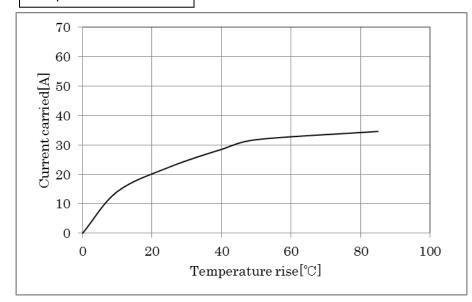
Unused DF22-1S-7.92C

- Unused DF22A-1416SCF
- 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		
R	Specification sheet	Part no.	DF22-1P-7. 92DSA (25)			
	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).

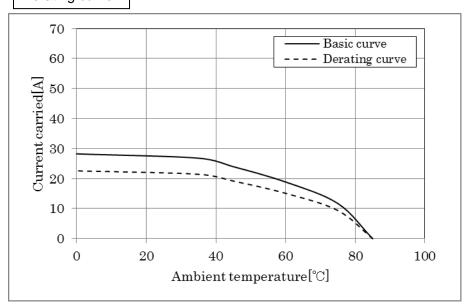
Unused DF22-3S-7.92C

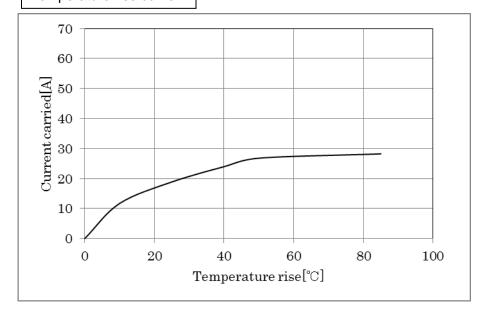
Unused DF22A-1416SCF

- 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