Applicabl	e sta	ndard													
		erature ran	ge	-55				ature range -10°C to		-10°C to + 6	to + 60°C (NOTE 3))		
Rating	Opera	ating dity range		20% to 80% (NOTE 2)		Storage humidity	Storage humidity range			40% to 70% (NOTE		TE 3)			
	Volta			1000V AC/DC Applicable			ble			DF60(R)-*S	,				
	Curre	ent (*1)	<u> </u>	A۱	AWG10 40A Applicable						` ,				
			$\angle 1 $		NG12	31A	cable					AWG	10-12		
Rated volta		ge		Rated cu	urren	t		0ve	volt	age category	IP-	Degre	е		
UL		60	OV AC/DO	<u>.</u>		AWG10:55A/A			E)			_		_	
C-UL	,		OV AC/DO			mbient Temp e(*1)(Temp.						_			
TÜV			OV AC/DO			See abov						ш]	P00	
101	I		710, 50		<u> </u>	Speci			3						
<u> </u>	tem				Test m		1100		, 		REOL	JIREMENTS		QT	AT
Construct					103(111	Ctriou				<u>'</u>	\LQC	MINEWEIVIO		QΙ	Ai
General exa		on	Visually a	and by r	neasuring i	nstrument.			Accord	ing to dr	awing	J.		Х	Χ
Marking			Confirme	d visua	lly.									Χ	Χ
Electric o		cterist													
Contact resist millivolt level i			DC6V	MAX, 1	A				2mΩ	MAX.				Χ	ı
Mechani	cal c	haracte	eristics						1						<u> </u>
Contact inse		and	1.0±0.00	02 by ste	el gauge.				Insertion			N MAX.		Х	_
extraction for		ion	30times i	30times insertions and extractions.			Extraction force 2.0 N MIN. ①Contact resistance: 2 mΩ MAX.								
Wiccharilean	Mechanical operation 30tir		Journes	les insertions and extractions.			②No damage, crack or looseness of parts.				Х				
Vibration	Vibration Frequenc		Frequency	y 10 to 500 Hz, total amplitude 1.5mm,			①No electrical discontinuity of 1 μ s.				^	_			
				² , at 2h for 3		,					looseness of parts.		Χ	_	
		490 m/s ² c	duration of pulse 11 ms at 3 times each for 3 both tions.			①No electrical discontinuity of 1 μ s.②No damage, crack or looseness of parts.				Х	_				
Crimp tensil	е			e tensile strength to caulking area axially until wire			AWG10	401N	MIN			· ·			
strength		ما ماما		osen or breakdown.			AWG12	313N	MIN			X	_		
Environn Damp heat	ienta	ai chara			2°C , 90 to 9	15 % 06 h			①Conta	et recieta	nco: 2	mΩ MAX.			
(steady state	e)		Lxposed 8	11 40 ±	20,90103	70, 90 11.			_			looseness of parts.		Χ	_
Rapid chang				ture -55°C→ +85°C			-			mΩ MAX.		V			
temperature			,	cycles. sferring t		nk is 2-3 MIN) sture for 1-2h.			②No da	mage, cr	ack or	looseness of parts.		X	ı
Dry heat						itaro for 1 Zii.	•,		①Conta	et recieta	nco: 2	mΩ MAX.		X	
Dry neat					105 ± 2°C, 250h ng the room temperature for 1-2h.)			②No damage, crack or looseness of parts.				^			
Remarks															
Note1: Include			rising by co	urrent.											
	to the c	ondition of	-	_		oducts before f			interim s	torage di	ırina tr	ansportation			
							9			g				Do	t o
Cour 8	π		Descript	H-00002				Desig TS. KUM				TS. FUKUSHIMA		17. 0	
Unless oth	erwise	e specifi						I S. NUW	AZAWA	Appro	ved	KI. AKIYAMA	1	15.00	
			,							Chec		TS. FUKUSHIN		15. 00	
										Desig	ned	TS. KUMAZAW		15. 00	
										Drav		MI. SAKIMUR		15. 00	
Note QT:C	Qualific	ation Tes	t AT:Ass	surance	Test X:App	plicable Test		[Drawin	g no.		ELC-3428	369-0	00-0	
אנו					Part	t no. DF60-1012SCA									

CL680-3022-7-00

Code no.

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HIROSE ELECTRIC CO., LTD.



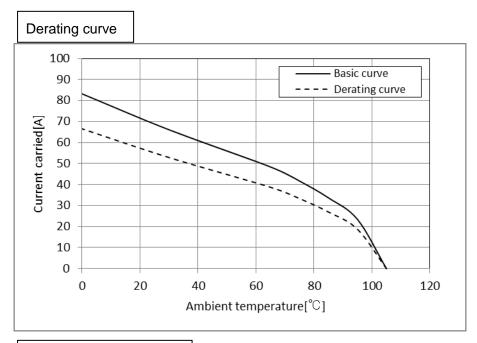
(Note 4)Derating curve takes manufacturing tolerances into consideration as well as uncertainties in temperature measurement and the measuring set up and is derived from the basic curve multiplied by 0.8 calculation.

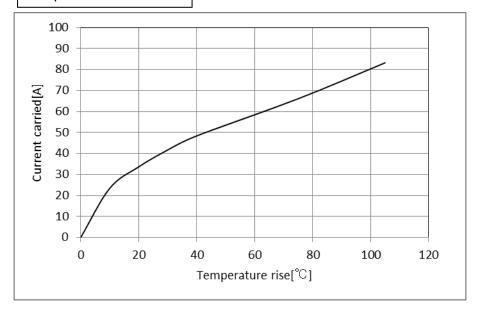
(Note 5)The value of rated current differs depending on the ambient temperature. It is recommended to use the product within the derating curve zone.

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

- Test specimen:Unused DF60-2P-10.16DS(27).
 Unused DF60-2S-10.16C
 Unused DF60-1012SCFA
- · Test cable spec:AWG 10
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20773)

[Reference]





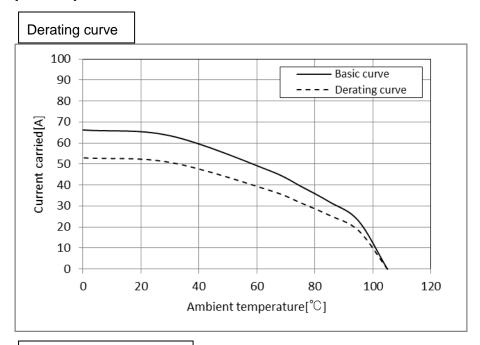
Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	G NO.	ELC-342869-00-00		
HS	SPECIFICATION SHEET	PART NO.		DF60-1012SCA		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680	0-3022-7-00	\triangle	2/7

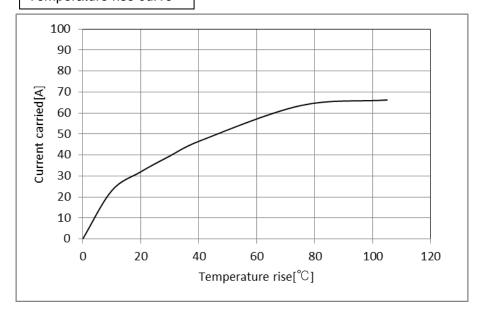


(Note 7) Measurement method of derating curve is shown below.

- Test specimen:Unused DF60-3P-10.16DS(27).
 Unused DF60-3S-10.16C
 Unused DF60-1012SCFA
- Test cable spec:AWG 10
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20802)

[Reference]





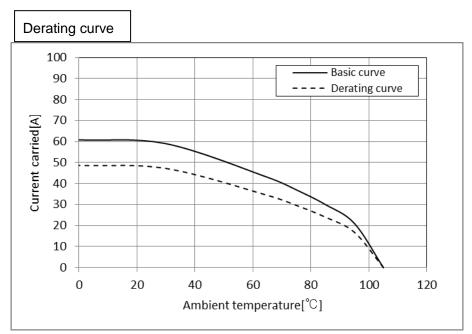
Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-342869-00-00		
ЖS	SPECIFICATION SHEET	PART NO.		DF60-1012SCA		
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680)-3022-7-00	Λ	3/7

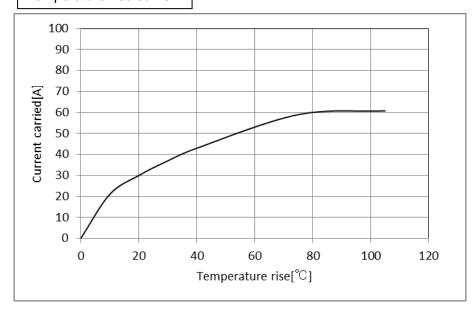


(Note 8) Measurement method of derating curve is shown below.

- Test specimen:Unused DF60-6P-10.16DS(27).
 Unused DF60-6S-10.16C
 Unused DF60-1012SCFA
- Test cable spec:AWG 10
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20802)

[Reference]





Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWING NO. ELC-342869			-00-00		
HS	SPECIFICATION SHEET	PART NO.		DF60-1012SCA			
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680	0-3022-7-00	Λ	4/7	

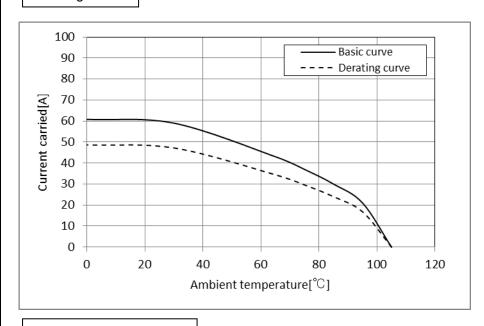


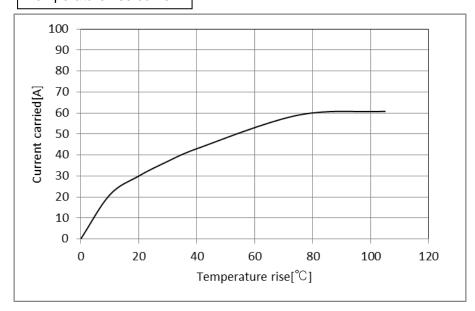
(Note 9) Measurement method of derating curve is shown below.

- Test specimen:Unused DF60-1P-10.16DS(27).
 Unused DF60-1S-10.16C
 Unused DF60-1012SCFA
- Test cable spec:AWG 12
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20802)

[Reference]

Derating curve





Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-342869-00-00		
HS	SPECIFICATION SHEET	PART NO.		DF60-1012SCA		
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680)-3022-7-00	A	5/7

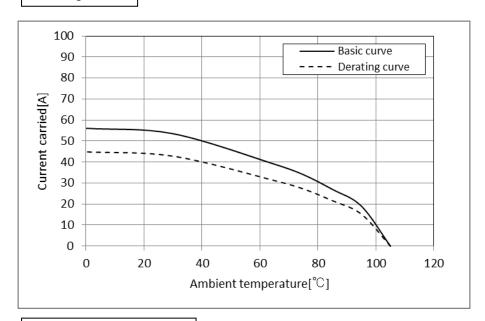


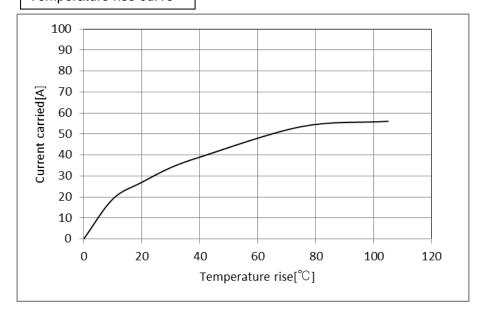
(Note 10) Measurement method of derating curve is shown below.

- Test specimen:Unused DF60-3P-10.16DS(27).
 Unused DF60-3S-10.16C
 Unused DF60-1012SCFA
- Test cable spec:AWG 12
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20802)

[Reference]

Derating curve





Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	DRAWING NO. ELC-34286			9-00-00		
K	SPECIFICATION SHEET	PART NO.		DF60-1012SCA			
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680	0-3022-7-00	Λ	6/7	

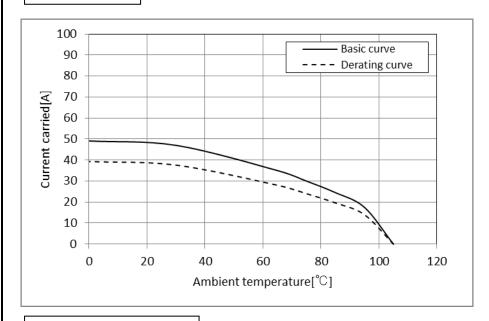


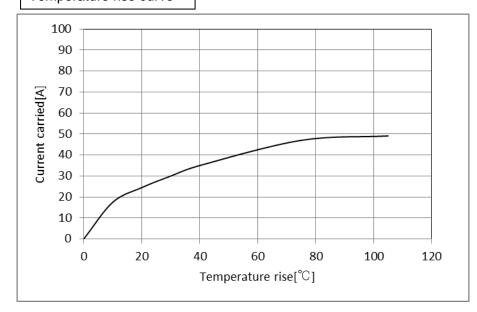
(Note 11) Measurement method of derating curve is shown below.

- Test specimen:Unused DF60-6P-10.16DS(27).
 Unused DF60-6S-10.16C
 Unused DF60-1012SCFA
- Test cable spec:AWG 12
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20802)

[Reference]

Derating curve





Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWING NO. ELC-342869			-00-00		
HS	SPECIFICATION SHEET	PART NO.	DF60-1012SCA				
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