APPLI(	CAE	<u>sLE</u>	STANI	JARD											
OPERATING TEMPERATURE RATING OPERATING		ERATURE I	RANGE -55°C		-55°C 10 + 105°C (NOTE 1)		TEMPER	STORAGE TEMPERATURE RANG		-10°C T0 +	60°C (	(NOTE	3)		
		OPERATING HUMIDITY RANGE		20% TO 80% (NOTE 2)			STORAGE HUMIDITY RANGE		ìE	40% TO 70	0% (NOTE 3)				
CURRENT (*		RENT (*1	)	AWG	38 50A		_	APPLICABLE		DF60-8SC(F) A					
					AWG1		40A		CONTA			DF60-10			
					AWG1	2	31A		VOLTA	GE		1000V	AC/DO	)	
	RAT		RATE	D VOLTA	GE	RATED CURRENT				OVERVOLTAGE CATEGORY IF			– DEGREE		
UL	UL 60			OV AC/DO	)	AWG8:65A/AWG10:55A/AWG12:4 (AT AMBIENT TEMP.25°C) (NOTE				_			_		
C-l	UL		60	OV AC/DO	)	SEE ABOVE(*1) (TEMP. RISE UP 30			°CMAX)	_					
TÜ	JV		60	OOV AC/DC			SEE ABOVE (*1)			ш			IP00		
							SPECII	FICA	OITA	NS					
	ITE	M				TE	ST METHOD				REG	QUIREMENTS		QT	AT
CONS	TRI	JC	ΓΙΟΝ												
GENERAL	EXA	MINA	-		ISUALLY AND BY MEASURING INSTRUMENT.					ACCO	RDING TO I	DRAWING.		Х	Х
MARKING	i			CONFIRM	ED VISU	ALL\	ſ.							X	X
ELECT			HARA	CTERIS	STICS	<b>)</b>									
INSULAT RESISTA				1000V	1000V DC.					1000	MΩ MIN.			Х	_
VOLTAG	E PF	ROO	F	3000V	AC FOR	R 1 i	nin.			NO FLASHOVER OR BREAKDOWN.					_
MECH.	AN	ICA	L CHA	RACTE	ERIST	IC	3								
VIBRATIO	ON				EQUENCY 10 TO 500 Hz, TOTAL AMPLITUDE 1.5 mm, eleration of 98 m/s <sup>2</sup> , AT 2 h, FOR 3 DIRECTIONS.					NO DAMAGE, CRACK OR LOOSENESS OF PARTS. X -					
SHOCK					n/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3					NO DAMAGE, CRACK OR LOOSENESS OF PARTS.					
ENVIR	ON	IMF				RIS	STICS								
DAMP H							2 °C, 90 TO 95 %	%, 96 h	١.	① INS	ULATION RI	ESISTANCE: 1000Ms	Ω MIN.	T	
(STEADY		,							② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. X -						
RAPID CHANGE OF TEMPERATURE				TIME UNDER 2	PERATURE -55°C→ +85°C 30min→ 30min ER 25 CYCLES. RANSFERRING TIME OF THE TANK IS 2−3 min)			_		ESISTANCE: 1000M! ACK OR LOOSENESS (		s. X	_		
				(AFTER LE	AVING TI	HE R	OOM TEMPERATUR		,						
DRY HEAT			EXPOSED AT 105 ± 2°C, 250h (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)				① INSULATION RESISTANCE: 1000MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.					-			
Remarks															
Note 1:Incl Note2:No o				rising by cu	ırrent.										
			•	ong term st	torage for	unu	sed products before	mount o	on pcb,						
Afte	er mou	unted	on pcb, op	erating ten	nperature	and	humidity range is ap	plied for	r interim st	orage du	ring transport	ation.			
СО	UNT	-	DE	SCRIPTION	ON OF F	REV	ISIONS		DESIG	SNED		CHECKED		D/	ATE
Δ														1	
Unless of	othe	rwis	e specifi	ed , refe	r to IEC	60	512.				APPROVE	D HS. OKAWA		17. (	03. 29
											CHECKED	TS. FUKUSHI	MA	17.	03. 29
											DESIGNE	TS. KUMAZAV	VA	17.	03. 29
										-	03. 29				
Note Q	T:Qu	alific	ation Tes	t AT:As	surance Test X:Applicable Test D			DF	RAWING NO. ELC-374734-00-00				0		
HY.	5		SF	PECIFI	CATI	10	SHEET		PART	NO.		DF60A-1S-10	. 16C		ı
		HIROSE EL		LECTRIC CO., LTD.			CODE	NO.	CL68	80-3058-0-00	,	◬	1/4		

(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.

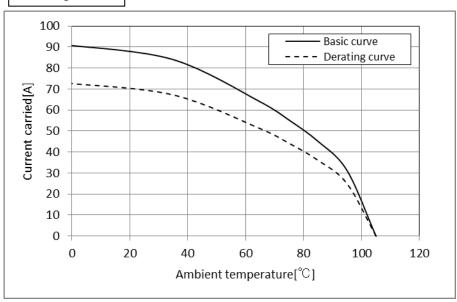
It is recommended to use the product within the derating curve zone.

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

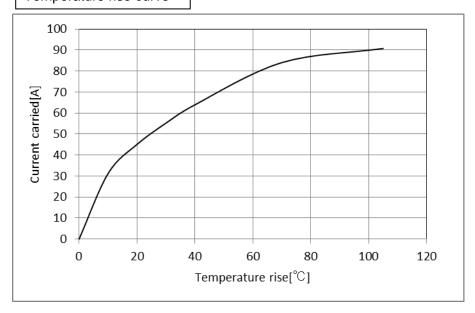
- Test specimen:Unused DF60-2P-10.16DS(27).
   Unused DF60-2S-10.16C
   Unused DF60-8SCFA
- Test cable spec:AWG 8
- Test condition: Turn on electricity under the static state and measure.
   (Test report # TR680E-20766)

## [Reference]

## Derating curve



## Temperature rise curve



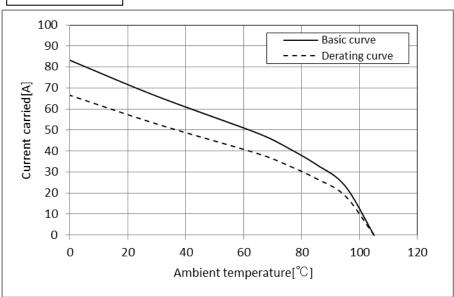
Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	G NO.	ELC-374734-00-00			
HS.	SPECIFICATION SHEET	PART NO.		DF60A-1S-10. 16C			
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680	)-3058-0-00	$\triangle$	2/4	

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

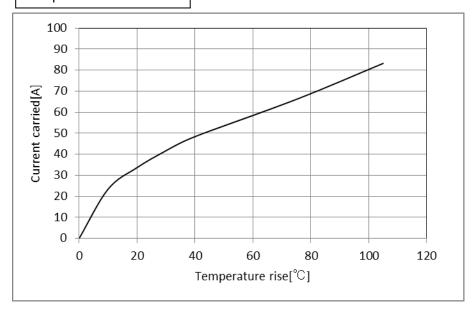
- Test specimen:Unused DF60-2P-10.16DS(27).
   Unused DF60-2S-10.16C
   Unused DF60-1012SCFA
- Test cable spec:AWG 10
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20773)

#### [Reference]

# Derating curve



# Temperature rise curve



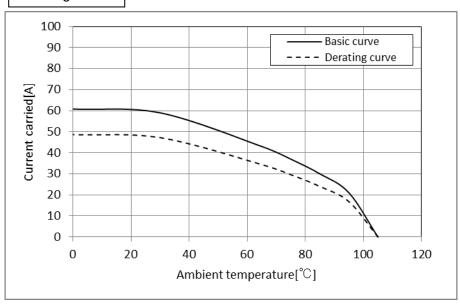
Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	G NO.	ELC-374734-00-00				
HS.	SPECIFICATION SHEET	PART NO.		DF60A-1S-10. 16C				
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680	0-3058-0-00	Δ	3/4		

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

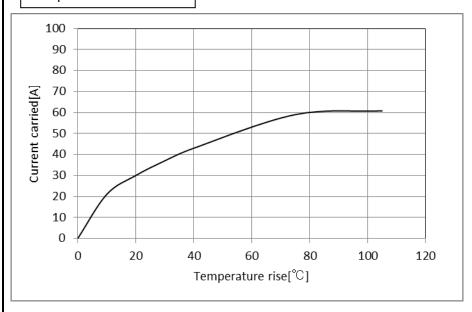
- Test specimen:Unused DF60-1P-10.16DS(27).
   Unused DF60-1S-10.16C
   Unused DF60-1012SCFA
- Test cable spec:AWG 12
- Test condition: Turn on electricity under the static state and measure.
   (Test report # TR680E-20802)

# [Reference]

# Derating curve



# Temperature rise curve



Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-374734-00-00			
HS.	SPECIFICATION SHEET	PART NO.		DF60A-1S-10. 16C			
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680	0-3058-0-00	$\Delta$	4/4	