Applicable standard
Operating temperature range

Applicabl							1-								
Operating temperature range			-55	°C to + 105°C (NC	OTE 1)	Storage tempera	ture range		-10°C to + 60°C (NOTE 3)						
Rating		rating idity range		Storage						% (NOT					
	Voltage Current (*1)			20	1000V AC/DC	1 L Z)	Applicat	ole					$\overline{\Delta}$		
				Connect						DF60%-*S-10.16C(##) /2					
				ge.	AWG8:50A Cable Rated current				Overvoltage category		IP-Degree				
Rated voltag				AWG8:65A(AT ambi			(Noto E)	0001001	Lago Galogol y	11 0	ogi o				
UL			OOV AC/DO				•								
C-UL			· · · · · · · · · · · · · · · · · · ·				rise up 30°CMAX)								
TUV		60	OOV AC/DO							Ш			IP00		
						CIIIC	ations	5	5561						
Construct	tem				Test method				REQU	IIREMENTS		QT	AT		
General exa		tion	Visually and by measuring instrument.				According to drawing.				Х	Х			
Marking			Confirmed visually.								Χ	Х			
Electric o		acterist									1				
Contact resist millivolt level r			DC6V	MAX, 1	Α			2mΩ N	IAX.			Χ	_		
Mechani	cal c	haract	eristics					<u> </u>					1		
Contact insertion and 1.				1.0±0.002 by steel gauge.				Insertion for) N MAX.		Χ	_		
extraction for Mechanical		ition	30times insertions and extractions.					Extraction force 2.0 N MIN. (1) Contact resistance: 2 mΩ MAX.							
				SSESS INSCRICTO AND CARROLLES.				②No damage, crack or looseness of parts.				Χ	_		
Vibration				Frequency 10 to 500 Hz, total amplitude 1.5mm,				①No electrical discontinuity of 1 μ s.							
				2, at 2h for 3 directions		r 2 hatt	②No damage, crack or looseness of parts.				Х	_			
Shock			490 m/s ² duration of pulse 11 ms at 3 times each for 3 bot axial directions.				i o dotn	①No electrical discontinuity of 1 μ s.②No damage, crack or looseness of parts.				Χ	_		
Crimp tensile		Apply wire tensile strength to caulking area axially until wire become loosen or breakdown.				AWG8 : 401N MIN									
strength Environn	nent	al char			oreakdown.							Х			
Damp heat	10116	ai orial			2°C,90 to 95 %, 96 h.			①Contact	resistance: 2	mΩ MAX.					
(steady state)						②No damage, crack or looseness of parts.				Χ	_				
Rapid chang temperature	-		Temperature -55°C → +85°C Time 30MIN→ 30MIN				①Contact resistance: 2 mΩ MAX. ②No damage, crack or looseness of parts.				Χ	_			
			Under 25	cycles.		415.15			-	•					
			,		ime of the tank is 2-3 Noom temperature for	,									
Dry heat			Exposed a	sed at 105 ± 2°C, 250h			①Contact resistance: 2 mΩ MAX.				Х	_			
•			(After leaving the room temperature for 1-2h.)				②No dam	age, crack or	looseness of parts.						
Remarks															
Note1: Include Note2: No cor			rising by co	urrent.											
Note3: Apply	to the	condition of	-	_	or unused products bef										
		d on PCB,	•		re and humidity range i	s applied			ring transport	ation. Checked	T	D-	nto		
Cour	Count Description of revisions 1 DIS-H-00004286				Designed Check TS. MIYAKI SZ. 0N			Date 20181002							
Unless otherwise specifid, refer to						1 J. WI		Approved	KI. AKIYAM		2016 2015				
		•							Checked	TS. FUKUSHII			0610		
									Designed	TS. KUMAZAW	'A	2015	0610		
									Drawn	MI.SAKIMUR			0609		
Note QT:C	Qualific	cation Tes	st AT:Ass	surance	Test X:Applicable T	est	Ι	Drawing no. ELC-34286			868–00	68-00-00			
HS		Specificat			tion sheet Part			t no. DF60-8SCA			A				
		HIROSE ELECT			RIC CO., LTD.		Code no.		CL680)-3021-4-00	L	7	1/3		
	11-2-1				,		2340	,	0_000						

(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.

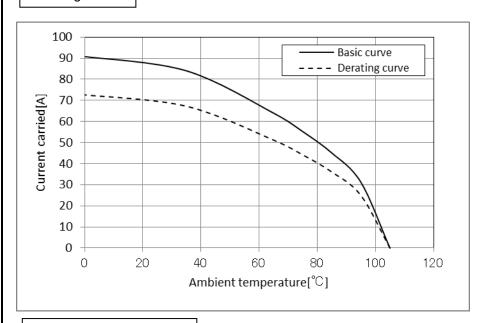
It is recommended to use the product within the derating curve zone.

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

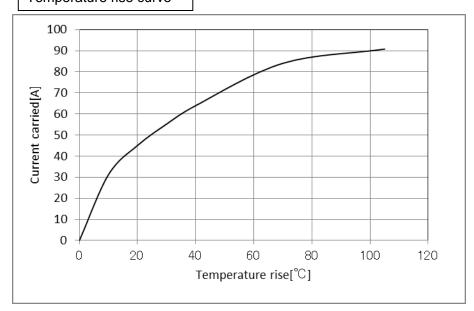
- Test specimen:Unused DF60-2P-10.16DS(27).
 Unused DF60-2S-10.16C
 Unused DF60-8SCFA
- Test cable spec:AWG 8
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20766)

[Reference]

Derating curve



Temperature rise curve

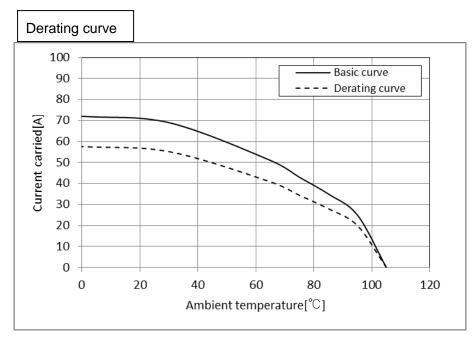


Note QT:0	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-342868-00-00			
HS	SPECIFICATION SHEET	PART NO.	DF60-8SCA				
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680)-3021-4-00		2/3	

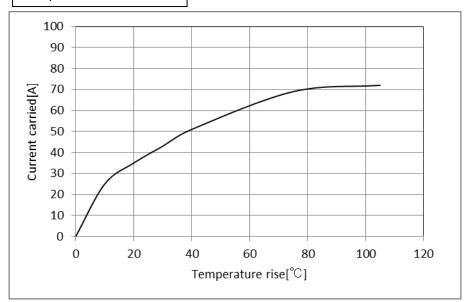
(Note 7) Measurement method of derating curve is shown below.

- Test specimen:Unused DF60-6P-10.16DS(27).
 Unused DF60-6S-10.16C
 Unused DF60-8SCFA
- Test cable spec:AWG 8
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20802)

[Reference]



Temperature rise curve



Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-342868-00-00			
HS	SPECIFICATION SHEET	PART NO.	DF60-8SCA				
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL680)-3021-4-00	Δ	3/3	