Applicable	e sta	ındard	•					•	•		•	•	•		
Operating			EEG	0 +a + 10EoC (Noto 1)	Storage				1000	+	COOC (N	a+a 2	1)	
	temperature range			·			ature range		-10°C to + 60°C (PO C (N	ote 3	i)	
Rating		Operating humidity range Applicable connector 2			20% to 80% (Note 2) Storage humidity DF60A-3S-10.16C Current			y range			40% to 70% (No			te 3)	
	Appl									42 A		2 A			
				DF60-*SCFA Voltage			· /								
Rated			ed volta									degre	96		
			OOV AC/DO	<u> </u>								uogi c			
			OOV AC/DO												
			OOV AC/DO										IP00		
						ecifica		:							
1:	om				Test method	Comoa	110110	,		2001	iromont			QT	АТ
Constructi	em				rest method				Г	requ	irement	5		QΙ	AI
General exam			Visually ar	nd hy me	asuring instrument			Accord	ing to drav	vina				Х	l v
Marking			Visually and by measuring instrument. Confirmed visually.				7 10001 0	ing to didi	·····g.				X	X	
Electric ch	arac	taristics		eu visually.									^	^	
Contact resista		ici istics		MAX, 1	Δ			2m()	ΜΔΧ						
Millivolt level n			2001	WAA, TA			2mΩ MAX.					Х	_		
Insulation re	sistan	ce	1000V	1000V DC.				1000	MΩ MIN.					Х	-
Voltage proc	f		3000V	3000V AC for 1 min.			No flashover or breakdown.					Х	_		
Mechanica	al ch	aracteri	stics												
			1	mes insertions and extractions.			 Contact resistance: 2mΩ MAX. No damage, crack or looseness of parts. 					X			
Vibration			Frequency 10 to 500 Hz, total amplitude 1.5 mm, acceleration					① No electrical discontinuity of 1μs.					^	_	
				of 98 m/s ² , at 2 h, for 3 directions.				② No damage, crack or looseness of parts.					Χ	_	
Shock 490 m/s			490 m/s ² c	n/s ² duration of pulse 11 ms at 3 times for 3 directions.			ctions.	No electrical discontinuity of 1µs. No damage, crack or looseness of parts.					Х		
Environme	ental	charact	teristics					9	amago, orac	0		or partor			
Damp heat			1	at 40 =	± 2 °c, 90 to 95 %	5, 96 h.		① Con	tact resista	ance:	2m	ıΩ MAX.			
(Steady state)						② Insulation resistance: 1000MΩ MIN.③ No damage, crack or looseness of parts.					X	_			
Rapid change of			Temperature -55°C→ +85°C				① Contact resistance: 2mΩ MAX.								
temperature			Time 30min→ 30min					② Insulation resistance: 1000M _Ω MIN.					Х	_	
			Under 25 cycles. (The transferring time of the tank is 2-3 min)				③ No damage, crack or looseness of parts								
			(After leaving the room temperature for 1-2h.)												
Dry heat			Exposed at 105 ± 2°C, 250h					① Contact resistance: $2m_{\Omega}$ MAX.						_	
		(After leaving the room temperature for 1-2h.)					 Insulation resistance: 1000MΩ MIN. No damage, crack or looseness of parts 								
Resistance to soldering ①S			①Solder b	①Solder bath method 2				Such as impaired function ,no deformation of							
heat			Solder temperature : 260°C for					case of excessive looseness of the terminals.						Х	-
			Immersion,duration: 10 sec .					<u>/2</u>							
			②Manual soldering Soldering iron temperature : 350±10°C												
Solderii No stre				oldering time: 5 sec.											
			rength on contact.												
			d at solder temperature, c for insertion duration, 5sec.			Solder shall cover a minimum of 95 % of the surface being immersed.					Χ	_			
	densin the c	g. ondition of	long term s	torage fo	r unused products be and humidity range is			orage du	ring transpo	ortatio	n.				ı
0.50			Descrict	ion of	wisions		Dasin	no d			Cl.	ooko d		D-	nt c
Cour 4	I		Descript				Desig					ecked		Da	
Unless other	2rwie	e specifi			H-00005429 TS. MI			TANI	Approxim	,d		. 0NO	ИΛ	2019	
OTHESS UTIL	>1 VV 13	c specifi	ا , احادا ا	.U 1LU	JUJ 12.				Approve	;u	ľ.	I. AK I YAI	VI <i>P</i>	2016	U4UD

	Count	Description of revisions	Designed		Checked	Date		
	4	DIS-H-00005429	TS. MIYAKI		SZ. ONO	20191028		
Unle	ess otherv	vise specifid, refer to IEC 60512.		Approved	KI. AKIYAMA	20160405		
					TS. FUKUSHIMA	20160405		
					TS. KUMAZAWA	20160405		
					TS. KUMAZAWA	20160405		
Note	QT:Qua	lification Test AT:Assurance Test X:Applicable Test	Drawin	g no.	ELC-342145-27-00			
Н	RS -	Specification sheet	Part no.		DF60-3P-10. 16DS (27)			
		Hirose electric co., ltd.	Code no.	CL6	1 /2			

(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)Indicates the current that corresponds to the RTI value (temperature at which performance is halved) of the resin when the ambient temperature is 25°C. 2

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 DF60-6P-10.16DS(27).

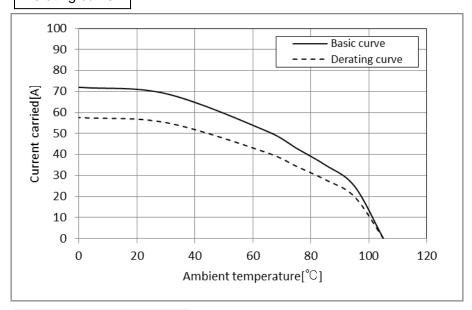
Unused DF60-6S-10.16C

Unused DF60-8SCFA

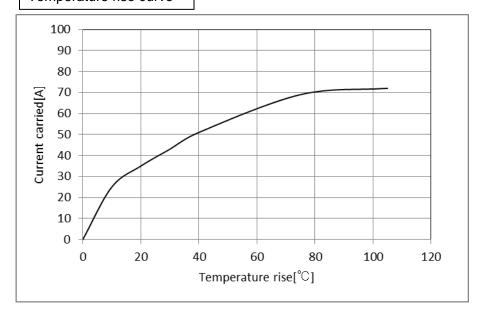
- Test cable spec:AWG 8
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20802)

[Reference]

Derating curve



Temperature rise curve



Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	Drawin	g no.	ELC-342145-27-00			
HS.	Specification sheet	Part no.	DF60-3P-10. 16DS (27)				
	Hirose electric co., ltd.	Code no.	CL680	0-3017-7-27	A	2/2	