APPLICA	BLE STAN	DARD										
APPLICABLE STANDARD OPERATING						STORAGE						
TEMPERATURE RA		NGE	-55°C	TE 1)		- ATURE RANGE		-10°C	-10°C TO + 60°C (NOT			
RATING	OPERATING					STORAGE						
IVATINO	HUMIDITY RANGE		20% TO 80% (NOTE 2)				Y RANGE			TO 70% (NOT		
CURRENT (*1)			AWG8 42A			APPLICABLE			DF60-8PC (F) A (##)			
			AWG10	34A		CONTACT		DF60-1012PC (F) A (##			#)	
Dot od volto		1+000	AWG12 28A			VOLTAGE Overvoltage of			tegory 1000V AC/DC			
Rated voltage		Rated current AWG8:55A/AWG10:50A/AWG12:40A				Overv	orrage car	egory	II- de	egree		
UL 600V AC/DC		(AT AMBIENT TEMP. 25°C) (NOTE 5)				_			_			
C-UL 600V AC/DC		See above(*1)(Temp. rise up 30°CMAX)										
TÜV	600V AC	/DC		See above(*1)				Ш		IP20 (N	ote 7)	
				SPEC	CIFICA	ATIO	NS					
IT	EM		TI	EST METHOD				RE	QUIREMENTS	3	QT	AT
CONSTR	UCTION											
			Y AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				X	Χ
			MED VISUALLY.								X	X
	C CHARA											
INSULATION RESISTANC		1000V	1000V DC.					1000MΩ MIN.				_
VOLTAGE P		3000\/	3000V AC FOR 1 min.					NO FLASHOVER OR BREAKDOWN.				
VOLINGET		00001	7.01 0101				11012	NOTIO VEI	CON BINE/ IND	O V V I V.	X	_
MECHAN	ICAL CHA	RACTI	ERISTIC	S								
VIBRATION							NO DAM	IAGE, CRAC	K OR LOOSENES	SS OF PARTS.		
		Accelerati	on of 98 m/s ²	, AT 2 h, FOR 3 D	DIRECTION	S.					X	_
SHOCK		490 m/s ² [-				NO DAN	IAGE, CRAC	K OR LOOSENES	SS OF PARTS.		
		DIRECTIO	NS.								Х	_
Contact extra				housing fixation.			49N M	IN			Х	_
ENVIRON	MENTAL	CHAR	ACTERIS	STICS								
DAMP HEAT	ı.	EXPOSE	D AT 40 ±	2 °C, 90 TO 9	95 %, 96 h		① INS	ULATION F	RESISTANCE: 1	1000MΩ MIN.		
(STEADY ST	(STEADY STATE)							DAMAGE, CI	RACK OR LOOSE	NESS OF	X	_
							PAR					
			EMPERATURE -55°C→ +105°C						RESISTANCE: 1		X	
TEMPERATI	JKE	TIME		0min→ 30min			② NO DAMAGE, CRACK OR LOOSENESS OF				^	_
(THE TRA			25 CYCLES. NSFERRING TIME OF THE TANK IS 2—3 min) EAVING THE ROOM TEMPERATURE FOR 1—2h.)				PARTS.					
		(,				,						
DRY HEAT		EYPOSE	D AT 105	+ 2°C 250h			① INIS	I II ATION F	RESISTANCE: 1	OOOMO MIN	X	
DRY HEAT		EXPOSED AT 105 ± 2°C, 250h (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)					 INSULATION RESISTANCE: 1000MΩ MIN. NO DAMAGE, CRACK OR LOOSENESS OF PARTS. 					
			(AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)					THE BANNACE, STATISTICS OF TANKIS.				
Cold			osed at -55±3°C, 96h				① Contact resistance: $2m_{\Omega}$ MAX.				X	_
							② Insulation resistance: $1000M_{\Omega}$ MIN.					
							③ No damage, crack or looseness of parts					
Remarks	the temperature	ricina by o	urrant									
Note2:No cond		nsing by c	unent.									
		_	-	used products be								
-				d humidity range i	is applied to			luring transp			1	
	COUNT DESCRIPTION OF R			OF REVISIONS DESIG			GNED CHECKED				DA	TE
<u> </u>												
Unless otherwise specified , refe			r to IEC 60512.			APPROVED CHECKED DESIGNED DRAWN		ED HS.	S. OKAWA 18.		3. 16	
								ED ST	ST. WADA 18		3. 16	
								ED TT.	OHSAKO	18. 0	3. 13	
											3. 13	
Note CT C	re- e =	.,	Tot V.APbl. T						- '''	l l		
Note QT:Qu	ualification Fes	St Al:As	ssurance Test X:Applicable Test			DI	RAWING NO.		ELC-	ELC-379292-00-00		
HS.	SI	PECIF	CATION SHEET			PART NO.		DF60FR-3EP-10. 16C				
	HIR	OSE E	LECTRIC	ECTRIC CO., LTD.			NO.	CL680-4006-0-00			<u>^</u>	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)The value of rated current differs depending on the ambient temperature.

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

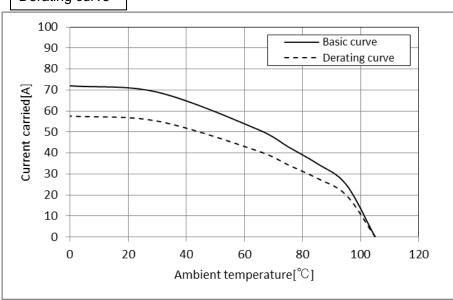
(Note 6) Measurement method of derating curve is shown below.

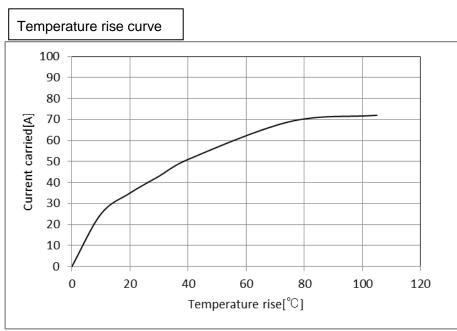
- · Test specimen: Unused DF60-6P-10.16DS(27). Unused DF60-6S-10.16C Unused DF60-8SCFA
- · Test cable spec:AWG 8
- · Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20802)

(Note 7) Refer to "ETAD-H0653-00".

[Reference]







Note QT:Qเ	ualification Test AT:Assurance Test X:Applicable Test	Drawin	g no.	ELC-379292-00-00		
HS	Specification sheet	Part no.	DF60FR-3EP-10. 16C			
)	Hirose electric co., ltd.	Code no.	CL680	0-4006-0-00	\triangle	2/2