




APPLICABLE STANDARD							
RATING	Operating temperature range	-55°C TO + 105°C (NOTE 1)		Storage Temperature range	-10°C TO + 60°C (NOTE 3)		
	Operating Humidity range	20% TO 80% (NOTE 2)		Storage Humidity range	40% TO 70% (NOTE 3)		
	Current	AWG8	42A/pin	Applicable	DF60S-8SC(F)A(##)		
		AWG10	34A/pin	Contact	DF60S-1012SC(F)A(##)		
		AWG12	28A/pin	Applicable covercase	DF60FS-3S-10.16C-CV		
			Voltage	1000V AC/DC			
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
General examination		Visually and by measuring instrument.		According to drawing.		X	X
Marking		Confirmed visually.				X	X
ELECTRIC CHARACTERISTICS							
Insulation resistance		1000V DC.		1000MΩ min.		X	—
Voltage proof		3000V AC for 1 min.		No flashover or breakdown.		X	—
MECHANICAL CHARACTERISTICS							
Mechanical operation		30 times insertion and extraction.		No damage, crack, or looseness of parts.		X	—
Vibration		Frequency 10 to 500 HZ, single amplitude 0.75 mm, at 10 cycles, for 3 directions.		No damage, crack or looseness of parts.		X	—
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.		No damage, crack or looseness of parts.		X	—
Contact extraction force		Pull out the cable after housing fixation.		49N min.		X	—
ENVIRONMENTAL CHARACTERISTICS							
Damp heat (steady state)		Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.		1) Insulation resistance: 1000MΩ min. 2) No damage, crack or looseness of parts		X	—
Rapid change of temperature		Temperature -55°C → +105°C Time 30min → 30min Under 25 cycles. (the transferring time of the tank is 2—3 min) (after leaving the room temperature for 1—2h.)				X	—
Dry heat		Exposed at 105 ± 2°C, 250h (after leaving the room temperature for 1—2h.)				X	—
Cold		Exposed at -55±3°C, 96h				X	—
Remarks Note 1:Include the temperature rising by current. Note 2:No condensing. Note 3:Apply to the unused and packaged product.							
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
Unless otherwise specified , refer to IEC 60512.				APPROVED	SJ. OKAMURA	20231019	
				CHECKED	TT. OHSAKO	20231019	
				DESIGNED	KT. NUMATA	20231018	
				DRAWN	SK. CHIBA	20231018	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-402758-00-00	
	SPECIFICATION SHEET			PART NO.	DF60FSR-3S-10.16C		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL0680-4018-0-00		1/1