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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 Contact	DF60S-8SC(F)A(##)
		AWG10	34A/pin	Applicable covercase	DF60S-1012SC(F)A(##)
AWG12		28A/pin	Voltage	DF60FS-3S-10.16C-CV 1000V AC/DC	

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### 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