



**THE DATASHEET OF  
DF50A-15S-1C**



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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	-35°C to + 85°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)		
	Voltage	AC/DC 100V			Applicable connector	DF50A-*P-1V(##) DF50A-*P-1H(##)		
	Current	△ Contact AWG26 AWG28 AWG30 AWG32	2 2.0A 2.0A 0.9A 0.7A	3to16 1.0A 1.0A 0.9A 0.7A	Applicable Contact △ DF50-26SCFA(##) DF50-2830SCFA(##) DF50K-2830SCFA(##) DF50-3032SCFA(##)			
Specifications								
Item	Test method			Requirements		QT	AT	
<b>Construction</b>								
General examination	Visually and by measuring instrument.			According to drawing.		X	X	
Marking	Confirmed visually.					X	X	
<b>Electric characteristics</b>								
Insulation resistance	100V DC.			500MΩ MIN.		X	-	
Voltage proof	300V AC for 1 min.			No flashover or breakdown.		X	-	
<b>Mechanical characteristics</b>								
Mechanical operation	30times insertions and extractions.			No damage, crack or looseness of parts.		X	-	
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for each, for 3 directions.					X	-	
Shock	490 m/s <sup>2</sup> duration of pulse 11 ms At 3 times for 3 directions.					X	-	
<b>Environmental characteristics</b>								
Damp heat (Steady state)	Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.			① Insulation resistance: 100MΩ MIN. ② No damage, crack or looseness of parts.		X	-	
Rapid change of temperature	Temperature -55→+85°C Time 30→ 30min. Under 5 cycles. (The transferring time of the tank is 2 to 3 min)			① Insulation resistance: 500MΩ MIN. ② No damage, crack or looseness of parts.		X	-	
<b>Remarks</b> Note 1: Include the temperature rising by current. Note 2: No condensing. Note 3: Apply to the condition of long term storage for unused products before harness assembly. After harness assembly, operating temperature and humidity range is applied for interim storage during transportation.								
△	Count	Description of revisions		Designed	Checked		Date	
△	3	DIS-H-00005434		HT. SATO	SZ. ONO		20191028	
Unless otherwise specified, refer to IEC 60512.					Approved	KI. AKIYAMA	20100706	
					Checked	OM. MIYAMOTO	20100706	
					Designed	TT. OHSAKO	2010070520100706	
					Drawn	TT. OHSAKO	20100705	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing no.		ELC-332936-00-00		
<b>HRS</b>	Specification sheet			Part no.	DF50A-*S-1C			
	Hirose electric co., ltd.			Code no.	CL665-	△	1/1	

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