Applicabl	e standard									
Operating temperature rar		nde	-35°C to + 85°C(Not	Storage	Storage emperature range		-10°C to + 60°C(Note 3)			
	Operating humidity range			20% to + 80%(Note 2)		0		40% to + 70%(Note 3)		
Rating	Voltage		100V AC/DC			plicable connector		DF50#-*DS-1C(##)、DF50A-*S-1C(##)		
	Current	<u>1</u>	AWG#28 : 2.0A		Applicable	able cable		AWG#28-30 φ 0.8-0.9mm		
			AWG#30 : 0.9A		Insulation	n diameter				
Specifications										
Item			Test method			Dequiremente			AT	
Construction									1	
General exam	nination	Visually ar	isually and by measuring instrument.			According to drawing. X				Х
Marking		Confirmed	J visually.						Х	Х
Electric of	characterist									
			mV MAX 1mA (DC or 1000 Hz).			30mΩ MAX. X –				
Mechanical characteristics										
Contact insertion and extraction forces		T=0.15 $\pm$ 0.002 mm by steel gauge.				Insertion force 1 N MAX. Extraction force 0.08 N MIN. X -				-
Mechanical Operation		30 times insertion and extraction.			-	<ol> <li>Contact resistance: 50 mΩ MAX.</li> <li>No damage, crack or looseness of parts.</li> </ol>				-
		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for each, for 3 directions.				<ol> <li>No electrical discontinuity of 1μs.</li> <li>No damage, crack or looseness of parts.</li> </ol>				-
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.				io uamaye,	UIAUK	or looseness of parts.	X	1-
Environn	nental char	acterist	tics							
Damp heat					-					
(Steady stat		Temperature -55°C→ +85°C			(2) N	② No damage, crack or looseness of parts.				
Rapid change of Temperature Time			ature $-55^{\circ}C \rightarrow +85^{\circ}C$ 30min $\rightarrow$ 30min						^	_
		Under 5 Cycles. (The transferring time of the tank is 2 to 3 min) (After leaving the room temperature for 1 to 2h.)								
Description										
Remarks Note 1: Inclu	de the temperat	ure risina l	by current.							
Note 2: No c Note 3: Appl	ondensing. y to the conditio	n of long te	erm storage for unused produc on temperature and humidity ra				during	g transportation.		
Coun	t	Descript	Description of revisions Description			gned Checked			Da	ate
		DIS-H-00004883			HT. SATO			SZ. ONO	20190522	
ŀ						Appr		HS. OKAWA	2017	0325
						Checked		TS. FUKUSHIMA	20170325	
Unless otherwise specifid , re			efer to IEC 60512.			Desig		TS. MIYAKI	20170325	
					Drawn		MI. SAKIMURA 20170325			
	Rualification Te	n Test AT:Assurance Test X:Applicable Test				Drawing No.		ELC-320119-76-00		
HRS			ication sheet		Part no.		DF50-2830SCFA (76)		4 /4	
		Hirose electric co., ltd.			Code no.	C	L66	5-0002-0-76		1/1

FORM HD0011-2-1