

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

APPLICABLE STANDARD				
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 2)(NOTE 3)	
RATING VOLTAGE	100V AC / DC	APPLICABLE CONNECTOR	DF81※-50S-0.4H(##)	
CURRENT	AWG#34,36 : 0.3(MAX0.8A)	APPLICABLE CABLE	THIN COAXIAL CABLE : AWG#36~AWG#46 / DISCRETE CABLE : AWG#34~40(Jacket : φ0.4MAX)	
	AWG#40 : 0.25A (NOTE4)			
	AWG#42 : 0.2A (NOTE5)			
	AWG#44 : 0.15A			
	AWG#46 : 0.1A			
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>ENVIRONMENTAL CHARACTERISTICS</b>				
SULFUR DIOXIDE GAS	EXPOSED IN 25±5PPM, 25±2°C, 75%RH, 96h.	NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.	X	-
RESISTANCE TO SOLDERING HEAT	①BONDING TEMPERATURE: 270°C MAX. : 5 sec MAX 200°C MIN. : 30 sec MAX ②MANUAL SOLDERING TEMPERATURE: 350°C, 3sec MAX.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245°C FOR INSERTION DURATION, 5 sec. (Sh-3.0Ag-0.5Cu)	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.	X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
<b>REMARKS</b>				
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				
NOTE2: NON CONDENSING				
NOTE3: THE TERM "STORAGE" REFERS TO PRODUCTS STORED FOR A LONG PERIOD PRIOR TO MOUNTING AND USE. THE OPERATING TEMPERATURE AND HUMIDITY RANGE COVERS THE NON-CONDUCTING CONDITION OF CONNECTORS AFTER BOARD MOUNTING AND THE TEMPORARY STORAGE CONDITIONS OF TRANSPORTATION, etc				
NOTE4:IT COULD BE VARIED DEPENDING ON THE CONDITIONS.				
*MAX" IS RATING CURRENT AS ONLY TWO OF THEM TURN ON ELECTRICITY.				
NOTE5: TEMPERATURE RISE OF CONNECTOR BODY ONLY, AND THAT OF CABLE IS NOT INCLUDED.				
Unless otherwise specified, refer to JIS C 5402, IEC60512.				
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-345360-02	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF81-50P-SHL(52)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL662-8112-3-52	△ 1/1