APPLICA	BLE STAN	DARD									
OPERATING TEMPERATURE				TURE RAN			-10°C TO +50°C(PACKED CONDITION)				
RATING	VOLTAGE CURRENT		50V AC/DC	1	OPERATING OR STORAGE HUMIDITY RANGE		RELATIVE HUMIDITY 90%MAX(NOT DEV)
			0.5A (<i>note1</i>)	APPLICA	BLE CAB	LE	t=0.3	±0.0	5mm, GOLD PLATED		
			SPE	CIFIC	10ITA	۱S					
ΙΤ	EM		TEST METHOD					REQU	JIREMENTS	QT	АТ
CONSTRU	JCTION										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			Γ.	ACCORDING TO DRAWING.				×	×
MARKING		CONFIRMED VISUALLY.								×	×
ELECTRIC	CHARAC	TERIST	ICS								
VOLTAGE PR	OOF	150V AC FOR 1 min±5sec.				NO FLASHOVER OR BREAKDOWN.				×	×
INSULATION RESISTANCE		100±10V DC.				500MΩ MIN.			×	×	
CONTACT RE	SISTANCE	AC 20mV MAX (1KHz), 1mA.				100m Ω	MAX.			\vdash	
		AC ZUIIV WAX (TRUZ), TIIIA.				INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			×	×	
MECHANI	CAL CHAR	ACTER	ISTICS								
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE				① NO ELECTRICAL DISCONTINUITY OF 1 μ s.			×	_	
SHOCK		0.75 mm FOR 10 CYCLES IN 3 AXIAL DIRECTIONS. 981 m/s², DURATION OF PULSE 6ms			UNS.	② CONTACT RESISTANCE: 100mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS			\vdash		
		AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				OF PARTS.			×		
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	_	
FPC RETENTION FORCE		MEASURED BY APPLICABLE FPC/FFC.				DIRECTION OF INSERTION:			\ ,		
		(THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)				22N MIN. (note2)			×		
FNVIRONI	MENTAL C	<u> </u>	TERISTICS			(notez)				1	
CORROSION			O AT 35±2°C,			① CON	NTACT R	ESIS	ΓANCE: 100m Ω MAX.	П	
		CONCENTRATION 5±1wt%,pH VALUE 6.5 TO 7.2 SALT WATER SPRAY FOR 96h.			7.2	NO DAMAGE, CRACK AND LOOSENESS OF PARTS. NO EVIDENCE OF CORROSION WHICH			×		
DADID QUANCE OF		TEMPERATURE -55→+15 TO +35→+85→+15 TO +35 °C			135 °C	AFFECTS TO OPERATION OF CONNECTOR. (1) CONTACT RESISTANCE: 100m Ω MAX.				-	
RAPID CHANGE OF TEMPERATURE		TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min}$ UNDER 5 CYCLES.				② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS				×	_
DAMP HEAT		EXPOSED AT 40±2°C,				OF PARTS.				×	
(STEADY STA		RELATIVE HUMIDITY 90 TO 95%, 96h. EXPOSED AT -10 TO +65 °C				① CONTACT RESISTANCE: 100mΩ MAX.				^	\vdash
DAMP HEAT, CYCLIC		RELATIVE HUMIDITY 90 TO 96 % 10 CYCLES, TOTAL 240h.			② INSULATION RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 1MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	_	
COUNT	г с	ESCRIPTI	ON OF REVISIONS		DESIG	iNED			CHECKED	DA	TE
REMARK							APPRO	VED	MO.ISHIDA	13.0	9.02
						CHECKED			YN.TAKASHITA	13.09.0	
Unless otherwise specified, refer to JIS C 5402.				DESIGNED SU.SUNAGA			13.08.30 13.08.30				
				DRAWN SU.SUNAGA				გ.30			
Note QT:Qualification Test AT:Assurance Test X:Applicable Test SPECIFICATION SHEET PA				DRAWING NO. ELC4-348616- RT NO. FH50-28S-0.5SH			-00				
אנג ⊢										1 /0	
HI HI		ROSE ELECTRIC CO., LTD. CC			CODE	DE NO. CL580-4005-5-00			<u>%</u>	1/2	

	SPECIFICATIO	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ
DRY HEAT	EXPOSED AT 85±2°C, 96h.	 CONTACT RESISTANCE: 100mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 	×	_
COLD	EXPOSED AT -55±3°C, 96h.	OF PARTS.	×	-
SULPHUR DIOXIDE [JIS C 60068-2-42]	EXPOSED AT 40±2°C, RELATIVE HUMIDITY 80±5 %, 25±5 ppm FOR 96h.	① CONTACT RESISTANCE: 100m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-
HYDROGEN SULPHIDE [JIS C 60068-2-43]	EXPOSED AT 40±2°C, RELATIVE HUMIDITY 80±5 %, 10 TO 15 ppm FOR 96h.	No EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.	×	_
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, $245\pm3^{\circ}\text{C}$ FOR IMMERSION DURATION, $3\pm0.3~\text{sec}$.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	_
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING: PEAK TMP. 250°CMAX. REFLOW TMP. OVER 230°C WITHIN 60 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_
	2) SOLDERING IRONS: TMP. 350±10°C FOR 5±1 sec.			

(note1)

WHEN THE SAME VALUE OF CURRENT ARE APPLID TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70 % OF THE RATED CURRENT VALUE.

(note2)

FIXING THE FPC/FFC IS RECOMMENDED, IF THE VERTICAL LOAD IS EXPECTED TO BE APPLIED TO THE FPC/FFC.

(note3)

BLISTERS WHICH MAY BE GENERATED ON THE HOUSING DO NOT AFFECT PRODUCT PERFORMANCE.

(note4)

INCOMPLETE MATING PREVENTION STRUCTURE OF THIS CONNECTOR DOES NOT COVER

ALL THE POSSIBLE CASES OF INCOMPLETE MATING MODE.

BE SURE TO NEED THE INSTRUCTION MANUAL FOR YOUR UNDERSTANDING OF THE FEATURES AND ATTENSIONS.

Note QT:Qu	alification Test AT:Assurance Test X:Applicable Test	DRAWIN	G NO.	ELC4-348616-00		
IDC	SPECIFICATION SHEET	PART NO.	T NO. FH50-28S-0.5SH			
HS	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL580	0-4005-5-00	\triangle	2/2