	CAE	BLE STAN	DARD										
OPERATING TEMPERATI			E RANGE	-55 °C TO 105 °C STO			RAGE PERATURE RANGE			CTO 50°C (PACKED	CKED CONDITION		
RATING		VOLTAGE CURRENT		50 V AC / DC OPE		HUMID	ITY RANG	ITING OR STORAGE TY RANGE		RELATIVE HUMIDITY 90 % MAX (I		NOT DEWED)	
						APPL	ICABLE	CABLE	t=0.3	±0.03mm, GOLD	PLATI	NG	
			1	SPEC	CIFIC	ATIOI	NS		·				
	ITE	= EM		TEST METHOD				RE	QUIREM	ENTS	QT	A ⁻	
CONS	TR	UCTION									1		
			VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				×	×	
MARKING			CONFIRMED VISUALLY.								×	×	
ELECT	TRI	CAL CHAP	RACTER	RISTICS								_ l	
VOLTAGE PROOF			250 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				×	T -	
INSULAT	_		100 V DC.			500 MΩ MIN.				×	-		
RESISTA			10/20 00 1/11/1/10 1/11/10				400	> B4A>/					
JONTAC	ار Kı	ESISTANCE	AC/DC 20 mV MAX (AC:1 KHz) , 1 mA .				2 MAX.			×	-		
							l l		FFC BUI	LK RESISTANCE			
MECH	ΙΔΝΙ	ICAL CHA	RACTE	RISTICS			(L=8mm	J					
VIBRATI			FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE				① NO	ELECTRIC	CAL DISC	CONTINUITY OF	×	Τ_	
			0.75 mm, F	OR 10 CYCLES IN 3 AXIAL D	IRECTION	S.	1 με		2100				
SHOCK			1	DURATION OF PULSE				_		CE: 100 mΩ MAX		-	
			AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.					③ NO DAMAGE, CRACK AND LOOSENESS					
MECHAN	VICA	I	20 TIMES	INSERTIONS AND EXT	RACTION	S.	OF PARTS. ① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX.				. x	+_	
OPERAT	-		20 TIMES INSERTIONS AND EXTRACTIONS.			② NO DAMAGE, CRACK AND LOOSENESS							
							OF PARTS.						
FPC RET	TENT	TION FORCE	MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)				DIRECTION OF INSERTION : (TOP CONTACT)				-		
						,		,	NTACTS+2.5 MIN				
			·					TTOM CON					
								-	R OF CO	NTACTS+2.5 MIN			
	<u> </u>	INACNITAI	CHADA	CTERISTICS			(not	e 1)					
RAPID C						35°C	① CO	NITACT DE	CICTAN	?E: 100 m0 MAY	Τ.,	1	
TEMPER			TEMPERATURE-55 \rightarrow +15TO+35 \rightarrow +105 \rightarrow +15TO+35 $^{\circ}$ C TIME 30 \rightarrow 2 TO 3 \rightarrow 30 \rightarrow 2 TO 3 min				$ \begin{array}{ll} \textcircled{1} \ \ \text{CONTACT RESISTANCE:} & 100 \ \text{m}\Omega \ \text{MAX.} \\ \textcircled{2} \ \ \text{INSULATION RESISTANCE:} \ \ 50 \ \text{M}\Omega \ \ \text{MIN.} \\ \textcircled{3} \ \ \text{NO DAMAGE, CRACK AND LOOSENESS} \\ \ \ \ \ \ \text{OF PARTS.} \\ \end{array} $. ×		
			UNDER 5 CYCLES.			;							
DAMP HI (STEAD)		ΔΤΕ	EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.								×	-	
		CYCLIC	EXPOSED AT -10 TO +65 °C,				① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX. ② INSULATION RESISTANCE: $1 \text{ M}\Omega$ MIN.				. ×	+_	
			RELATIVE HUMIDITY 90 TO 96 %,										
			10 CYCLES,TOTAL 240 h.				(AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY)						
					4 NO DAMAGE, CRACK AND LOOSENESS				;				
							OF PARTS.						
DRY HEAT			EXPOSED AT 105±2 °C, 96 h			① CONTACT RESISTANCE: 100 mΩ MAX.				. —	-		
COLD			EXPOSED AT -55±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				' ×	-	
								-				T	
	דואו ור		SCRIPTIO	N OE DEVISIONS		DEGIO	NED		^	HECKED		<u> </u> \TC	
Α	TNUC	DE		N OF REVISIONS					HECKED	DATE			
	1		DIS-F	-00014061		SE. YOK	JYAMA			. YAMAZAK I	1	20220531	
REMARK This product is RoHS compliant.								APPROVED YN. TAKASHITA		20190409			
					CHECKE					2019040			
•			•					DESIGNE		NY. YAMASHIRO			
Unless otherwise specified, refer to IEC 60512.				I		DRAW				2019			
Note QT:Qualification Test AT:Assurance Test X:Applicable Tes SPECIFICATION SHEET LUBBORS SUSPENSION OF LUBB			Test		RAWING NO.			ELC-387736-50		U			
					PART					H34D-*S-0. 5SH (50)		A 14	
FORM HD0011-2-1		OSE ELECTRIC CO., LTD. CC			CODE	DE NO.		UL5	CL580		1/2		

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ			
SULPHUR DIOXIDE	EXPOSED AT 40±2 °C ,	① CONTACT RESISTANCE: 100 mΩ MAX.	×	_			
[JIS C 60068-2-42]	RELATIVE HUMIDITY 80±5% 25±5 ppm FOR 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	_			
		③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.					
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235±5°C FOR IMMERSION DURATION, 2±0.5 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 °C MAX. REFLOW TMP. OVER 230 °C WITHIN 60 sec. 2) SOLDERING IRONS: TMP. 350 ± 10 °C FOR 5±1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_			

(note1)

FASTEN FPC ON PCB OR SOMETHING FIXED IF FORCE IN VERTICAL DIRECTION SHALL BE PREDICTED. DO NOT CLOSE THE ACTUATOR BEFORE INSERTING FPC EVEN AFTER THE CONNECTOR IS MOUNTED ONTO A PCB. CLOSING THE ACTUATOR WITHOUT FPC COULD MAKE THE CONTACT GAP SMALLER, WHICH INCREASES THE FPC INSERTION FORCE.

THIS CONNECTOR HAS CONTACTS ON THE BOTH TOP AND BOTTOM.

THERE'S A CASE WHICH FPC/FFC RETENTION FORCE DOESN'T FULFILL THE VALUE, BECAUSE FPC/FFC SPECIFICATION AFFECTS THE RESULT OF FPC/FFC RETENTION FORCE.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-387736-50-00		
HS	SPECIFICATION SHEET	PART NO.	FH34D-*S-0. 5SH (50)			
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2